



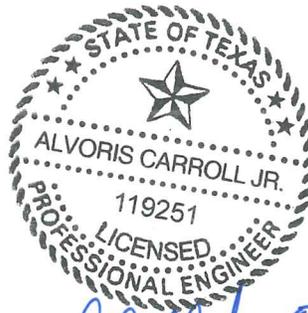
EDWARDS AQUIFER WATER POLLUTION ABATEMENT PLAN
Texas Express RV & Boat Storage - Hovis Enterprises, LLC

8200 Ranch Road 12
Hays County, Texas

Prepared April 5, 2024

ON BEHALF OF
Hovis Enterprises, LLC

Prepared by:



Alvoris Carroll Jr. 5/7/2024

Revised: May 7, 2024

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Tri-Tech Surveying Co., LP TBPLS #10193729

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: Texas Express RV & Boat Storage, LLC					2. Regulated Entity No.:				
3. Customer Name: Todd Hovis					4. Customer No.:				
5. Project Type: (Please circle/check one)	<input checked="" type="radio"/> New	Modification			Extension		Exception		
6. Plan Type: (Please circle/check one)	<input checked="" type="radio"/> WPAP	<input type="radio"/> CZP	<input type="radio"/> SCS	<input type="radio"/> UST	<input type="radio"/> AST	<input type="radio"/> EXP	<input type="radio"/> EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	<input type="radio"/> Residential		<input checked="" type="radio"/> Non-residential			8. Site (acres):		12.01	
9. Application Fee:	\$6,500		10. Permanent BMP(s):			N/A			
11. SCS (Linear Ft.):	N/A		12. AST/UST (No. Tanks):			N/A			
13. County:	Hays		14. Watershed:			Sink Creek(San Marcos River)			

Application Distribution

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

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

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

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

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

AI Carroll

Print Name of Customer/Authorized Agent

AO [Signature]

Signature of Customer/Authorized Agent

Date

4/11/2024

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.

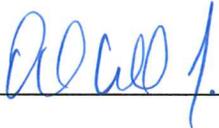
Signature

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: Al Carroll, P.E.

Date: 4/11/2024

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Texas Express RV & Boat Storage, LLC

2. County: Hays

3. Stream Basin: Sink Creek (San Marcos River)

4. Groundwater Conservation District (If applicable): Hays Trinity

5. Edwards Aquifer Zone:

- Recharge Zone
 Transition Zone

6. Plan Type:

- WPAP
 SCS
 Modification
- AST
 UST
 Exception Request

7. Customer (Applicant):

Contact Person: Todd Hovis
Entity: Texas Express RV & Boat Storage, LLC
Mailing Address: 8200 Ranch Road 12
City, State: San Marcos, Texas Zip: 78666
Telephone: (210)439-5272 FAX: _____
Email Address: toddhovis@gmail.com

8. Agent/Representative (If any):

Contact Person: Al Carroll
Entity: Tri-Tech Engineering LP
Mailing Address: 155 Riverwalk Dr.
City, State: San Marcos, Texas Zip: 78666
Telephone: (512) 440-0222 FAX: _____
Email Address: acarroll@tritechtx.com

9. Project Location:

- The project site is located inside the city limits of _____.
- 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.
The project site is located at 8200 RR12, San Marcos, Texas 1.35 Miles SE of the intersection of RR 32 and RR 12, on the NE side of the right-of-way.

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

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

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

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

Survey staking will be completed by this date: _____

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

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

15. Existing project site conditions are noted below:

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

Prohibited Activities

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

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

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

- (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
- (2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and

- (3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

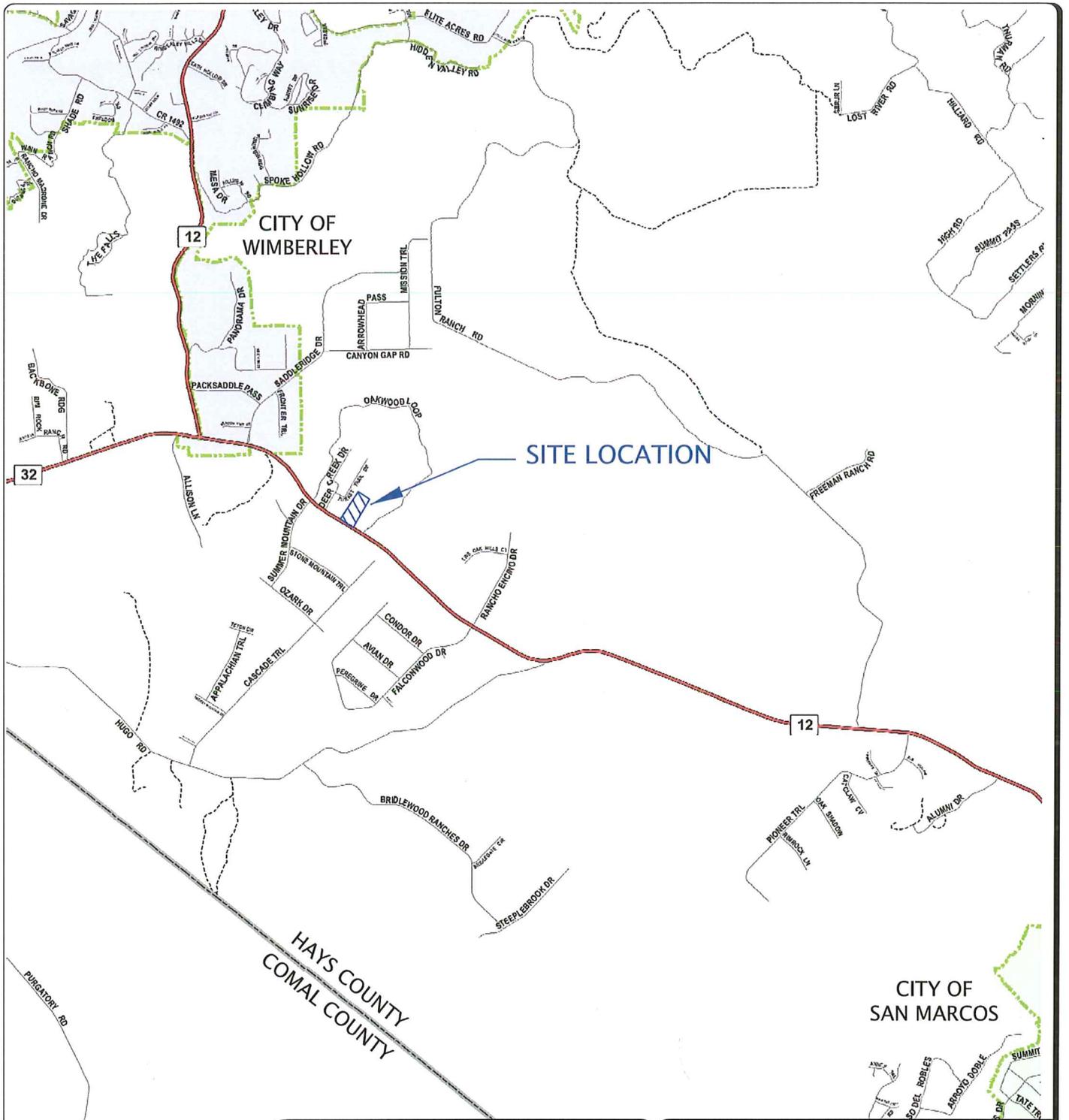
18. The fee for the plan(s) is based on:

- For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
 - For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
 - For a UST Facility Plan or Modification or an AST Facility Plan or Modification, the total number of tanks or piping systems.
 - A request for an exception to any substantive portion of the regulations related to the protection of water quality.
 - A request for an extension to a previously approved plan.
19. Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:
- TCEQ cashier
 - Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
 - San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)
20. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
21. No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

Texas Express RV & Boat Storage
Water Pollution Abatement Plan

General Information
Attachments

ATTACHMENT "A"
Road Map



SCALE 1"=1 MILE

**TCEQ – General Information Form
ATTACHMENT A**

**HAYS COUNTY ROAD MAP
TEXAS EXPRESS RV & BOAT STORAGE
HAYS COUNTY, TEXAS**

Hays County Road Map
Hays County Development Services



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ENGINEERING, L.P.

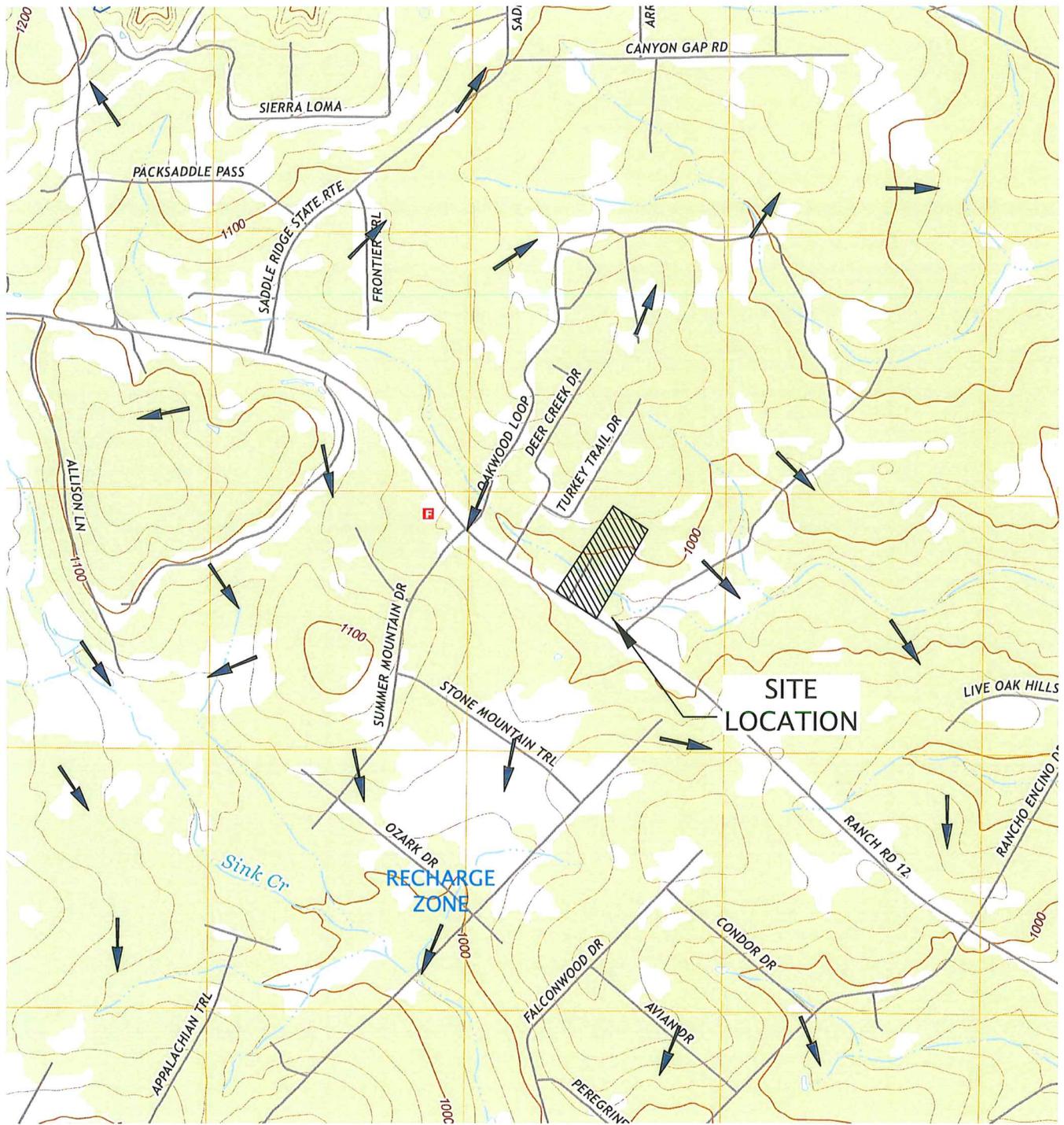
155 RIVERWALK DRIVE
SAN MARCOS, TEXAS 78666
PH: 512-440-0222

TBPE REGIS. #: F-18693
www.tritechtx.com

Texas Express RV & Boat Storage
Water Pollution Abatement Plan

General Information
Attachments

ATTACHMENT "B"
USGS Quadrangle Map



SCALE 1"=1000'

TCEQ - General Information Form
ATTACHMENT B

USGS TOPOGRAPHIC MAP
TEXAS EXPRESS RV AND BOAT STORAGE
HAYS COUNTY, TEXAS

2019 USGS, Wimberley, Texas
7.5 Quadrangle, 20 Foot Contours



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ENGINEERING, L.P.

155 RIVERWALK DRIVE
SAN MARCOS, TEXAS 78666
PH: 512-440-0222

TBPE REGIS. #: F-18693
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ATTACHMENT "C"

Project Narrative

The following is a description of the proposed project to be constructed at 8200 RR 12, San Marcos, Texas 1.35 Miles SE of the intersection of RR 32 and RR 12.

The "project site" (Site) is defined as a 12.01-acre tract of land out of the Oakwood Hills (Unrecorded Subdivision), G, C and SF Survey (8.618 Acres), & a Portion of Lot 3-B Oakwood Hills (Unrecorded Subdivision) (3.382 Acres). The tract was previously used as a single-family residential lot.

The project consists of 4 covered warehouse storage buildings totaling 43,600 (1.00 acres) square feet; associated gravel parking, drives and access 32,794 square feet (0.75 acres). The resulting total impervious cover is 76,394 square feet (1.75 acres) or 14.6%.

All groundcover disturbed by construction activities will be re-vegetated. Due to low impervious cover, there will be no substantial increase in flows or velocities and there will be a minimal impact on water quality.

Planned construction activities include:

1. Installation of Temporary BMP's (Silt Fence, Rock Berm, and Stabilized Construction Entrance)
2. Clearing and Grubbing: Removal of existing vegetation, top soil and other debris within the proposed construction site. Approximate total disturbed area = 1.75 acres
3. Rough Grading: Cutting of proposed entrance drive, parking areas, building pads, access drive, and drainage swales. Approximate total disturbed area = 1.75 acres
4. Utility Installation: N/A
5. Site Grading: Grading of entrance drive, parking areas, and building pads to prepare the subgrade for pavement and foundation. Approximate total disturbed are = 1.75 acre.
6. Pavement & Foundation: Installation of concrete foundations, parking, access drive, and entrance drive. Approximate total disturbed area = 1.75 acres.
7. Finished Grading: Final grading of drainage swale, slope grading, and landscaping and installation of Permanent BMP's. Approximate total disturbed area = 1.80 acres
8. Completion of Construction: Installation of all landscaping and replacement of destroyed vegetation. Once permanent growth of vegetation has occurred remove temporary BMP's (Silt Fence & Rock Berm).

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.

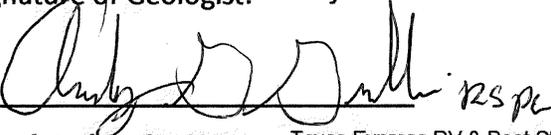
Print Name of Geologist: Andy G. Grubbs RS PG Telephone: 512 392-3546

Date: 3-5-2024

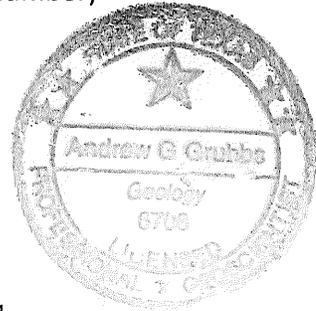
Fax: _____

Representing: _____ (Name of Company and TBPG or TBPE registration number)

Signature of Geologist: Hays Environmental Consulting PG # 6708

 RS PG

Regulated Entity Name: Texas Express RV & Boat Storage



Project Information

1. Date(s) Geologic Assessment was performed: 1-20-2024, 2-1-2024, 3-4-2024

2. Type of Project:

WPAP

AST

SCS

UST

3. Location of Project:

Recharge Zone

Transition Zone

Contributing Zone within the Transition Zone

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

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
Rumple - Comfort	C	0.5-24"

* 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" = 40 '

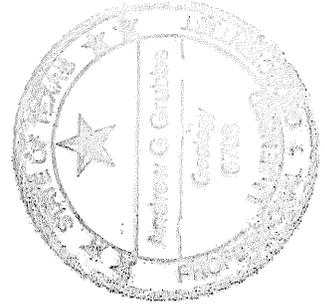
Site Geologic Map Scale: 1" = 40 '

Site Soils Map Scale (if more than 1 soil type): 1" = 700 '
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 1 (#) 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: Texas Express RV & Boat Storage									
LOCATION					FEATURE CHARACTERISTICS					EVALUATION					PHYSICAL SETTING				
1A	1B*	1C*	2A	2B	3	4			5A	6	7	8A	8B	9	10	11	12		
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY	CATCHMENT AREA (ACRES)	TOPOGRAPHY		
						X	Y	Z							<40	<1.6			
F1	29.931	-98.073	F	20	Ked	15	440	3	30	10		C		5	35	X	hill side		
F2	29.932	-98.072	F	20	Ked	10	600	2	40	0		C		5	25	X	hill side		
F3	29.933	-98.072	F	20	Ked	12	925	4	30	0		C		5	25	X	hill side		
T1	29.072	-98.072	MB	20	Ked			4	0	0		C		0	25		hill side		
W1	29.072	-97.072	MB	30	Ked				0	0		C		0	30		hill side		
S1	29.934	-98.072	SH	20	Ked	16	20	4.4	0	0		O		35	55	X	hill side		

* DATUM:

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 understand, 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 3-5-24
 Sheet 1 of 1

Andy D. Diller RSPC

Feature Location Table

All locations in WGS 84 projection

Feature ID	Lat	Long	Lat	Long
W1	29.9331	-98.0722	29.9331	-98.0722
F1	29.9317	-98.0721	29.9327	-98.0721
F2	29.9324	-98.0725	29.9332	-98.0733
F3	29.9339	-98.0729	29.9339	-98.0713
S1	29.9342	-98.0724		
T1	29.9328	-98.0724		


ANDREW G. GRUBBS
PROFESSIONAL GEOSCIENTIST # 6708



Comments for the Geologic Assessment Table:

W1 Water supply well

T1 OSSF Tank for former residence. Not in use. Not considered for future use, but possible Tank appears to be in undamaged and functional condition

F1 Fault, expressed as a very distinct change in lithology on either side of fault. Linear fractures parallel to strike of fault forms large bedrock slabs in bands. Strata beds dipping into the fault plane also evident. Shows on surface in creek bed for about 100'. Elsewhere hidden under soil cover. Runs at approximately 55°



Beds dipping into fault plane

F2 Fault, expressed as pronounced change in slope and differences in lithologic character of rocks exposed on surface. Obscured by rock rubble from land clearing in some places. Runs approximately 490' at 320°

F3 Fault, expressed as distinct topographic bench, change in lithology and bands of linear bedrock features. Small displacement. Runs at approximately 260 -280° for 490' diagonal to major regional trend. Probably relay ramp cross fault

S1 Sinkhole. Collapse doline, approximately 4.5' deep with small openings extending out of sight into darkness. Sink is 12 to 15' wide and 20' long. Evidence of possible excavation of rock fill at some point in the past shown by stacking of large rocks / small boulders around top edge of sink. Unclear if this was for ranching or exploratory purposes. Drainage area is approximately 1.7 acres in size



Andy G. Grubbs - RSPC
3-5-24

SITE SOILS

The soils mapped on the site by the U.S. Soil Conservation Service are the Rumple - Comfort soil series of the Gravelly Redland and Low Stony Hills range sites. They are dark cherty clay and clay loams, shallow to moderately deep on uplands of the Edwards Plateau Land Resource Area. These soils are very thin and rocky with very low permeability of 0.06 - 0.6"/hour . They are often underlain by hard dense limestone that can be impervious if not fractured. At this location soils are generally no more than 14 " in thickness. The soils are very dark reddish brown clays. Visual inspection showed that there are many areas of rocky, very thin soils and exposed bedrock ledges.

 RS PC

ANDREW G. GRUBBS
PROFESSIONAL GEOSCIENTIST # 6708



Soils Map Texas Express RV & Boat Storage

RUD

CrD



Andrew G. Chubb
3-5-24

RUD



Hays
Environmental
Consulting

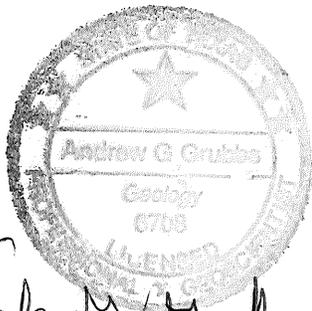
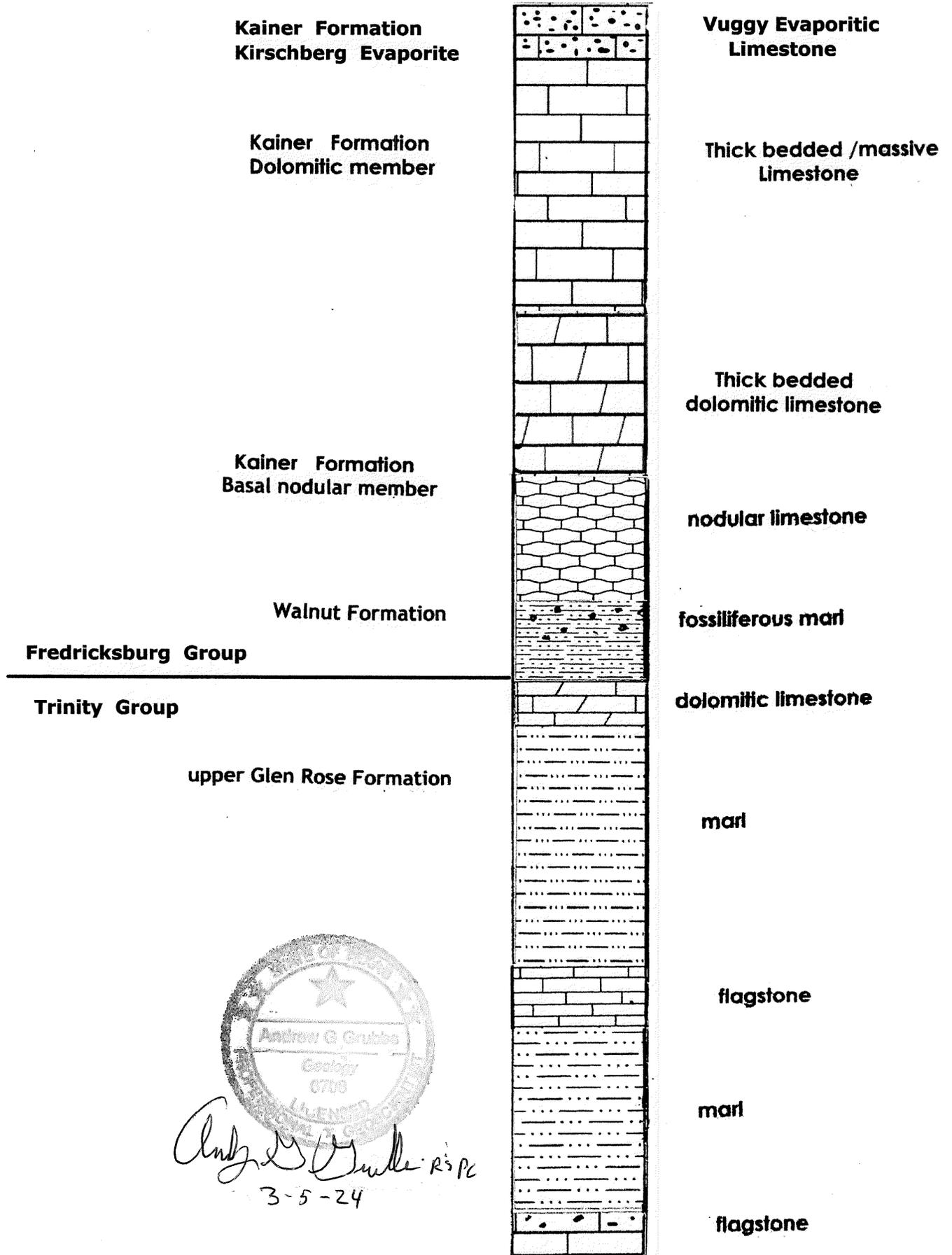


CrD Comfort - Rock
RUD Rumble - Comfort

AI-11-118

Attachment B: Site Stratigraphic Column

Comanche Series



Andrew G. Grubbs R.S. PE
3-5-24

ATTACHMENT C

SITE GEOLOGY:

Structure

This project area is near the western edge of the Balcones Fault Zone where the Fredericksburg division rocks of the Edwards group thin and the earlier Trinity division rocks outcrop. It lies on the rolling plateau topography of the Balcones Fault zone. The stair step hill country of the upper Glen Rose begins approximately 1.5 miles to the west. The tract is in the major fault block bounded on the east by the Bat Cave Fault and on the west by the Hidden Valley Fault. There are other unnamed displacement faults 0.45 miles to the east and 0.61 miles to the west. Two small displacement faults cross the tract at an orientation that suggests they are relay ramp cross faults. Amount of displacement is hard to determine due to the uniform lithology. Topography indicates that this area is part of a very large relay ramp structure. Beds on the site appear to be fairly horizontal with some areas having a slight tilt due to faulting. One of these faults is expressed by a zone of large limestone blocks with linear alignments of well developed fractures which run on a main trend of about 260-280° at a diagonal to the major faults of the area. The other is expressed as a very distinct change in lithology from one side of the fault to the other. These faults are normal "down to the coast" faults.

Stratigraphy

The lower Dolomitic member, subdivision VII and Kirschberg evaporite member, subdivision VI of the Kainer Formation are the surface exposures found over the tract. The Kirschberg is a dense mudstone with zones of honeycomb porosity. The Lower Dolomitic Member of the Kainer Formation is generally a dense mudstone to grainstone with some chert in specific horizons. The Dolomitic member generally has a low permeability fabric that acts as a barrier to the vertical migration of water. Cavern development is concentrated on structure or bedding planes.

Lithology

The lithology of the Lower Dolomitic member is very dense, fine grained, recrystallized dolomitic limestone with minor fossils present. The rock is thick bedded to massive. The rock fabric appears to be a uniform, fine grained, very dense strata. The outcropping rocks form solid pavements, prominent ledges and areas of boulders. Surface sculpture of the bedrock by solution is moderate to poorly developed on the site and generally little honeycomb development was noted in this section. Due to the tectonic history and setting near major faults, fracture permeability is probably relatively high in these rocks. The Kirschberg member is an evaporitic mudstone with a very high fabric induced porosity. It forms extensive areas of very vuggy "honeycomb" and has boxwork and solution collapse features due to the early leaching of the gypsum in that section. It forms very distinctive rugged topography where it is exposed on the surface. The Kirschberg exposures on the site show a very high degree of surface karst development. Surface sculpture and very large interconnected honeycomb vugs are common.

Water infiltrating in this area has the potential to run along the nearby faults and flow to San Marcos Springs 8.9 miles to the east southeast

The entire tract was surveyed using walking transects no greater than 50' apart. Geophysical well logs from nearby water wells have also been examined. Based on logs from water wells on nearby properties the top of the upper Trinity Lower Glen Rose formation is 530' below the surface, the Hensel shale 850', and the Cow Creek limestone about 900' deep at this site. Due to local faulting and variation in lithology these depths are not exact. Water wells in this area tap formations in the middle Trinity group due to the relative thinness of the Edwards rocks here. Groundwater in this area is administered by the EAA in the Edwards and the BSEACD in the Trinity.



Boxwork Evaporitic rock fabric



Well developed karst surface sculpture



Geologic studies specific to this area which were used as background include, Hill (1901) George (1948) Bills (1957) Noyes and Young (1960) DeCook (1960) Rose, P.R.(1972) Maclay and Small (1976) Collins, Baumgardner, and Raney (1991) Hanson and Small (1995) and Ahr (2008)

Ahr, W.M., 2008, *Geology of Carbonate Reservoirs: the identification, description, and characterization of hydrocarbon reservoirs in carbonate rocks*; John Wiley & Sons New Jersey, pp 277

Bills, T.V., Jr., 1957, *Geology of Waco Springs Quadrangle, Comal County, Texas*. University of Texas, Austin, Master's thesis 106 P.

Collins, E.W., Baumgardner, R.W., Jr., and Raney, J. A., 1991 *Geologic map of the Smithson's*

Valley quadrangle, Texas: the Univ of Texas, Austin, Bureau of Econ. Geo. Open-file map, scale 1:24,000

DeCook, K.J., 1960 Geology and ground-water Resources of Hays County, Texas. Texas Board of Water Engineers Bull 6004, 170p

George, W.O., 1948, Development of limestone reservoirs in Comal County, Texas: American Geophysical Union trans, v29, 503-510

Hanson, J.A., and Small, T.A., 1994, Geologic framework and Hydrogeologic Characteristics of the Edwards Aquifer Outcrop, Comal County, Texas: U.S. Geological Survey Water Resources Investigations Report 94 - 4117

Hanson, J.A. and Small, T.A., 1995 Geologic framework and hydrogeologic characteristics of the Edwards Aquifer outcrop, Hays County, Texas: U.S. Geo Survey Water Inv Rpt 95 -4265

HILL, R. T.1901. Geography and Geology of the Black and Grand Prairies. United States Geological Survey, 21st Annual Report, Part 7.

Lozo,E.F., Et Al., 1959. Symposium on the Edwards Limestone in central Texas: University of Texas, Bureau of Economic Geology Publication 5905, 235p.

Maclay, R.W., and Small, T.A., 1976 Progress report on geology of the Edwards Aquifer, San Antonio area, Texas, and preliminary interpretation of borehole geophysical and laboratory data on carbonate rocks: U.S. Geological Survey Open-File Report 76-627, 65p.

Noyes, A.P.,Jr. and Young, K.P., 1960, Geology of Purgatory Creek area, Hays and Comal Counties, Texas: Texas Jour. Sci., v.12 no1 & 2, p. 64-104

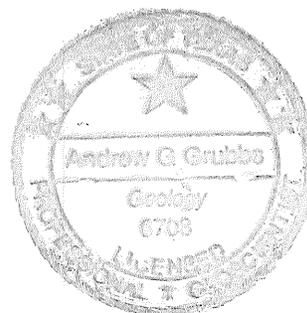
Rose, P.R. 1972, Edwards Group Surface and Subsurface, Central Texas University of Texas , Bureau of Economic Geology Report Inv. no 74. 198 p.

Stricklin, F.L.,Jr.,Smith,C.I., and Lozo,F.E., 1971, stratigraphy of Lower Cretaceous Trinity deposits of central Texas: Univ. Texas at Austin, Bur. Econ. Geology Rept. Inv. No. 71.

Senger, R.K., and Kreitler, C.W., 1984 Hydrogeology of the Edwards Aquifer, Austin area, central Texas: University of Texas , Bureau of Economic Geology Report Inv. no 141. 35p.



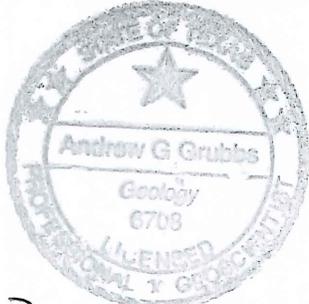
ANDREW G. GRUBBS
PROFESSIONAL GEOSCIENTIST # 6708



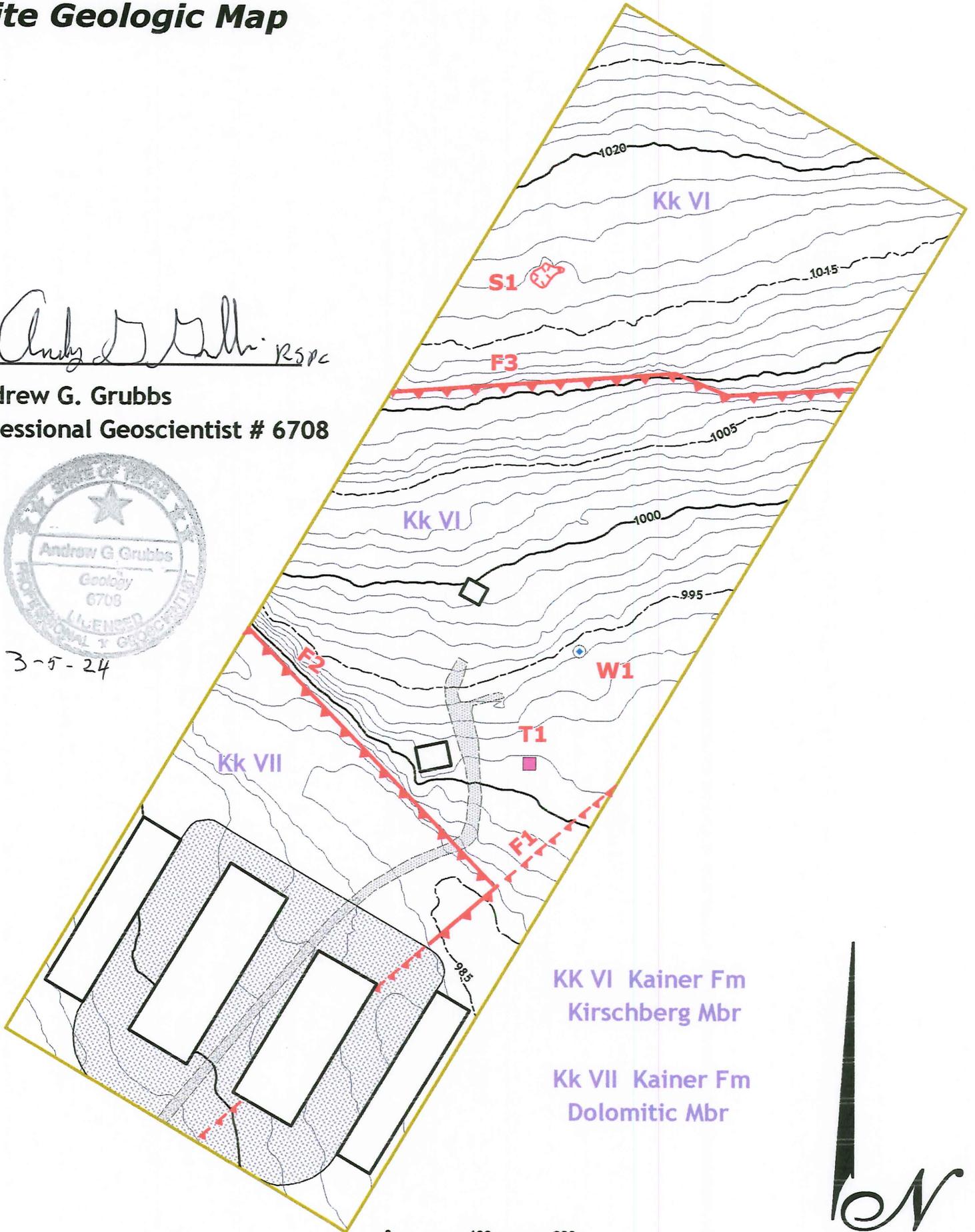
Attachment D Site Geologic Map

Andrew G. Grubbs RSPc

Andrew G. Grubbs
Professional Geoscientist # 6708



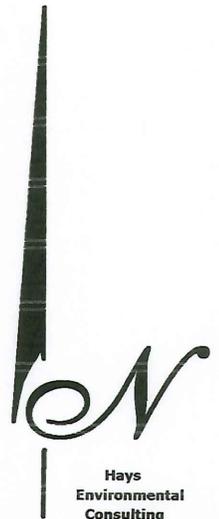
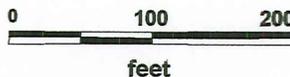
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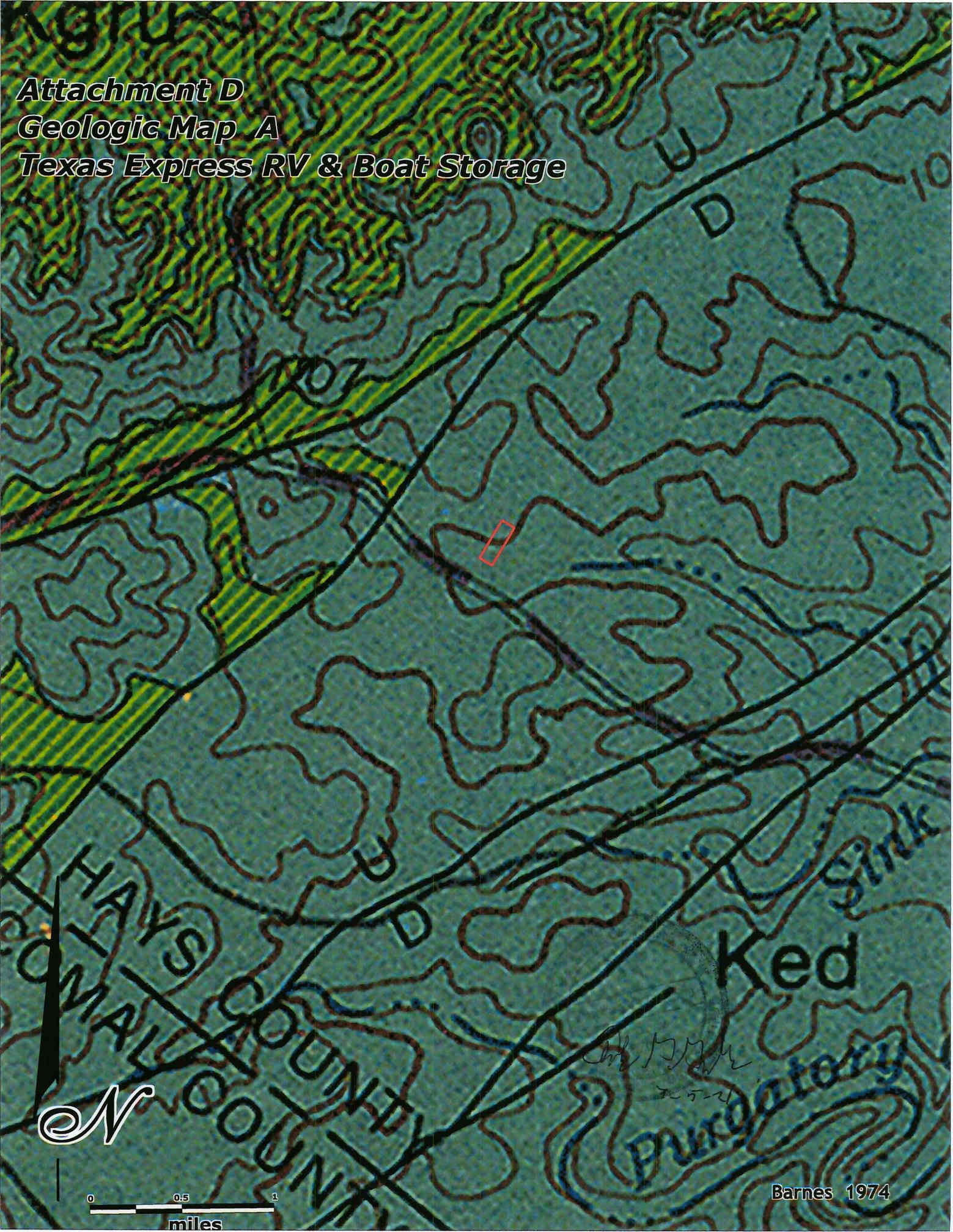
Kk VI Kainer Fm
Kirschberg Mbr

Kk VII Kainer Fm
Dolomitic Mbr

Topographic Contours based on
LIDAR TNRIS 2017



Attachment D
Geologic Map A
Texas Express RV & Boat Storage



Barnes 1974

**Attachment D
Geologic Map B
Texas Express RV & Boat Storage**

Kk VII

Kk VI

Kk V

Kp III Leached
& Collapsed
Kp IV Regional
Dense Mbr
KK V Grainstone
Kk VI Kirschberg
Kk VII Dolomitic

Hugo Road

Kk V

Kp IV

Kk VII

Kp III

HAYS COUNTY
AND
COMAL COUNTY

Andrew B. Gaudin
Geology
1978

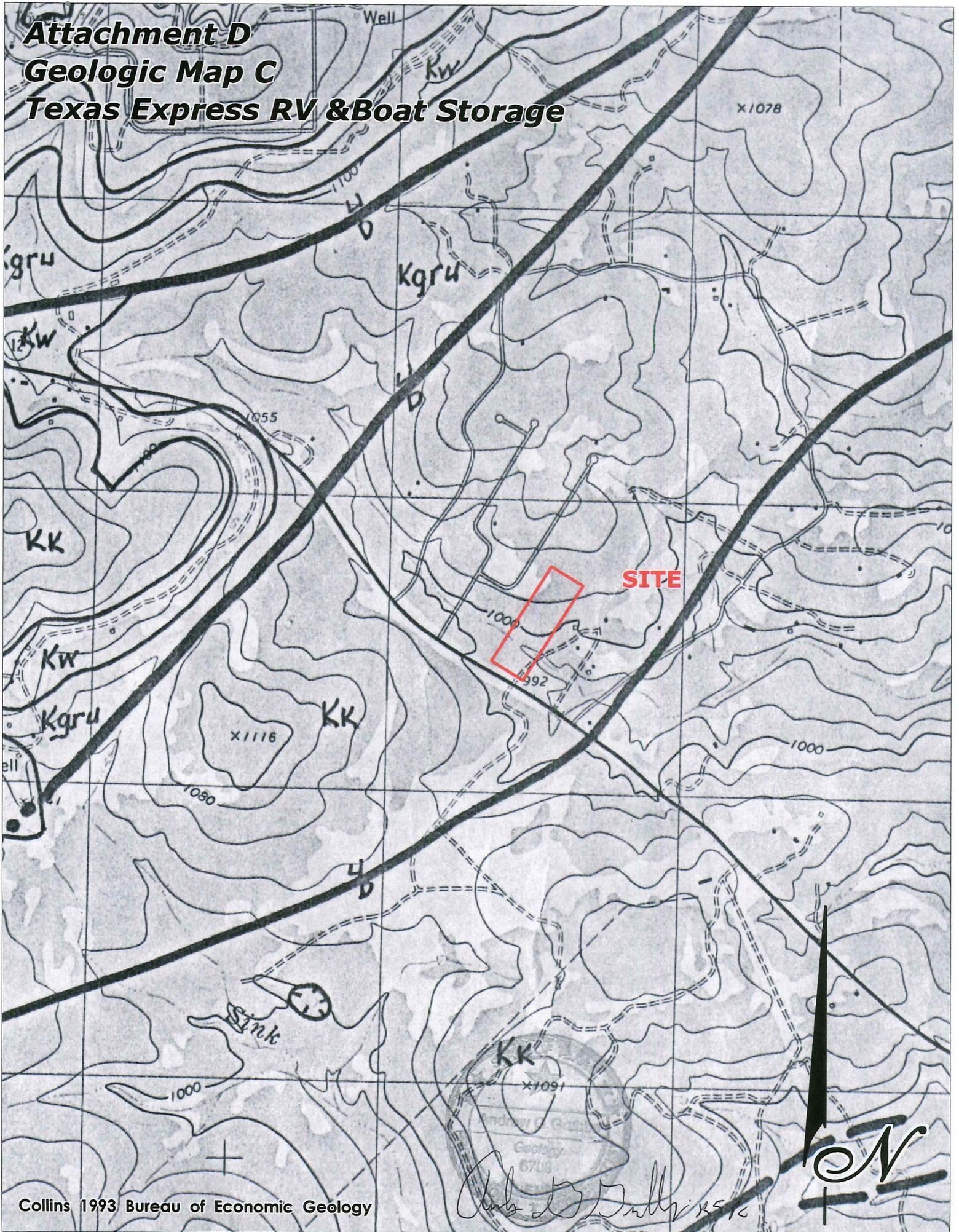
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0 2,000 4,000
feet

Source USGS 1995
Hanson and Small



**Attachment D
Geologic Map C
Texas Express RV & Boat Storage**



Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(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 **Water Pollution Abatement Plan Application Form** is hereby submitted for TCEQ review and Executive Director approval. The form was prepared by:

Print Name of Customer/Agent: Al Carroll, P.E

Date: 4/11/2024

Signature of Customer/Agent:



Regulated Entity Name: Texas Express RV & Boat Storage, LLC

Regulated Entity Information

1. The type of project is:

- Residential: Number of Lots: _____
- Residential: Number of Living Unit Equivalents: _____
- Commercial
- Industrial
- Other: _____

2. Total site acreage (size of property): 12.01

3. Estimated projected population: 0

4. The amount and type of impervious cover expected after construction are shown below:

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	43,600	÷ 43,560 =	1.00
Parking	32,794	÷ 43,560 =	0.75
Other paved surfaces	0	÷ 43,560 =	0
Total Impervious Cover	76,394	÷ 43,560 =	1.75

Total Impervious Cover 1.75 ÷ Total Acreage 12.01 X 100 = 14.6 % Impervious Cover

5. Attachment A - Factors Affecting Surface Water Quality. A detailed description of all factors that could affect surface water and groundwater quality that addresses ultimate land use is attached.
6. Only inert materials as defined by 30 TAC §330.2 will be used as fill material.

For Road Projects Only

Complete questions 7 - 12 if this application is exclusively for a road project.

7. Type of project:
 - TXDOT road project.
 - County road or roads built to county specifications.
 - City thoroughfare or roads to be dedicated to a municipality.
 - Street or road providing access to private driveways.
8. Type of pavement or road surface to be used:
 - Concrete
 - Asphaltic concrete pavement
 - Other: _____
9. Length of Right of Way (R.O.W.): _____ feet.
 Width of R.O.W.: _____ feet.
 L x W = _____ Ft² ÷ 43,560 Ft²/Acre = _____ acres.
10. Length of pavement area: _____ feet.
 Width of pavement area: _____ feet.
 L x W = _____ Ft² ÷ 43,560 Ft²/Acre = _____ acres.
 Pavement area _____ acres ÷ R.O.W. area _____ acres x 100 = _____% impervious cover.
11. A rest stop will be included in this project.
 A rest stop will not be included in this project.

12. Maintenance and repair of existing roadways that do not require approval from the TCEQ Executive Director. Modifications to existing roadways such as widening roads/adding shoulders totaling more than one-half (1/2) the width of one (1) existing lane require prior approval from the TCEQ.

Stormwater to be generated by the Proposed Project

13. **Attachment B - Volume and Character of Stormwater.** A detailed description of the volume (quantity) and character (quality) of the stormwater runoff which is expected to occur from the proposed project is attached. The estimates of stormwater runoff quality and quantity are based on the area and type of impervious cover. Include the runoff coefficient of the site for both pre-construction and post-construction conditions.

Wastewater to be generated by the Proposed Project

14. The character and volume of wastewater is shown below:

_____ % Domestic	_____ Gallons/day
_____ % Industrial	_____ Gallons/day
_____ % Commingled	_____ Gallons/day
TOTAL gallons/day _____	

15. Wastewater will be disposed of by:

On-Site Sewage Facility (OSSF/Septic Tank):

Attachment C - Suitability Letter from Authorized Agent. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.

Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.

Sewage Collection System (Sewer Lines):

Private service laterals from the wastewater generating facilities will be connected to an existing SCS.

Private service laterals from the wastewater generating facilities will be connected to a proposed SCS.

The SCS was previously submitted on _____.

The SCS was submitted with this application.

The SCS will be submitted at a later date. The owner is aware that the SCS may not be installed prior to Executive Director approval.

- The sewage collection system will convey the wastewater to the _____ (name) Treatment Plant. The treatment facility is:
- Existing.
 - Proposed.

16. All private service laterals will be inspected as required in 30 TAC §213.5.

Site Plan Requirements

Items 17 – 28 must be included on the Site Plan.

17. The Site Plan must have a minimum scale of 1" = 400'.

Site Plan Scale: 1" = 60 '.

18. 100-year floodplain boundaries:

Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.

No part of the project site is located within the 100-year floodplain.

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): _____

19. The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, open space, etc. are shown on the plan.

The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, open space, etc. are shown on the site plan.

20. All known wells (oil, water, unplugged, capped and/or abandoned, test holes, etc.):

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 §76.

There are no wells or test holes of any kind known to exist on the project site.

21. Geologic or manmade features which are on the site:

All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.

No sensitive geologic or manmade features were identified in the Geologic Assessment.

Attachment D - Exception to the Required Geologic Assessment. A request and justification for an exception to a portion of the Geologic Assessment is attached.

- 22. The drainage patterns and approximate slopes anticipated after major grading activities.
- 23. Areas of soil disturbance and areas which will not be disturbed.
- 24. Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 25. Locations where soil stabilization practices are expected to occur.
- 26. Surface waters (including wetlands).
 N/A
- 27. Locations where stormwater discharges to surface water or sensitive features are to occur.
 There will be no discharges to surface water or sensitive features.
- 28. Legal boundaries of the site are shown.

Administrative Information

- 29. 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.
- 30. Any modification of this WPAP will require Executive Director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

ATTACHMENT "A"

Factors Affecting Surface Water Quality

The only potential factors affecting water quality are from construction equipment leaks, refueling spills, as well as potential leaks from port-o-lets, and the total suspended solids (TSS) due to the construction activities on-site.

ATTACHMENT "B"

Volume and Character of Stormwater

The project is located within the Sink Creek Watershed of the San Marcos River. The approximate area of the site is 12.01 acres. The added impervious cover to the site will be minor (< 20%) of the total site area. Due to the low impervious cover and low density of the development, the character of the runoff will be similar to the predevelopment conditions.

ATTACHMENT "C"

Suitability Letter from Authorized Agent (if OSSF is Proposed)

Not applicable.

Texas Express RV & Boat Storage
WPAP

Water Pollution Abatement Plan
Application Form Attachments

ATTACHMENT "D"

Exception to the required Geological Assessment

Not applicable.

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: Al Carroll, P.E.

Date: 4/11/2024

Signature of Customer/Agent:



Regulated Entity Name: Texas Express RV & Boat Storage, LLC

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: N/A

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

There will be no above ground storage tanks allowed on this project. Equipment will be fueled using mobile fuel trucks as needed. There is a small chance of a fuel spill occurring due to leaking construction equipment or refueling operations. The spill prevention and control measures described below, and included in Section 1.4.16 of RG-348 complying with the Edwards Aquifer Rules Technical Guidance Manual on Best Management Practices (July 2005), will be followed.

Spill Prevention and Control

The objective of this section is to describe measures to prevent or reduce the discharge of pollutants to drainage systems or watercourses from leaks and spills by reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, properly disposing of spill materials, and training employees.

The following steps will help reduce the stormwater impacts of leaks and spills:

Education

- (1) Be aware that different materials pollute in different amounts. Make sure that each employee knows what a "significant spill" is for each material they use, and what is the appropriate response for "significant" and "insignificant" spills. Employees should also be aware of when spill must be reported to the TCEQ. Information available in 30 TAC 327.4 and 40 CFR 302.4.
- (2) Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
- (3) Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
- (4) Establish a continuing education program to indoctrinate new employees.
- (5) Have contractor's superintendent or representative oversee and enforce proper spill prevention and control measures.

General Measures

- (1) To the extent that the work can be accomplished safely, spills of oil, petroleum products, and substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately.
- (2) Store hazardous materials and wastes in covered containers and protect from vandalism.
- (3) Place a stockpile of spill cleanup materials where it will be readily accessible.

- (4) Train employees in spill prevention and cleanup.
- (5) Designate responsible individuals to oversee and enforce control measures.
- (6) Spills should be covered and protected from stormwater runoff during rainfall to the extent that it doesn't compromise clean up activities.
- (7) Do not bury or wash spills with water.
- (8) Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMP's.
- (9) Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.
- (10) Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.
- (11) Place Material Safety Data Sheets (MSDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.
- (12) Keep waste storage areas clean, well organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

Cleanup

- (1) Clean up leaks and spills immediately.
- (2) Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.
- (3) Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMP's in this section for specific information.

Minor Spills

- (1) Minor spills typically involve small quantities of oil, gasoline, paint, etc, which can be controlled by the first responder at the discovery of the spill.
- (2) Use absorbent materials on small spills rather than hosing down or burying the spill.

- (3) Absorbent materials should be promptly removed and disposed of properly.
- (4) Follow the practice below for a minor spill:
- (5) Contain the spread of the spill.
- (6) Recover spilled materials.
- (7) Clean the contaminated area and properly dispose of contaminated materials.

Semi-Significant Spills

Semi-significant spills still can be controlled by the first responder along with the aid of other personnel such as laborers and the foreman, etc. This response may require the cessation of all other activities.

Spills should be cleaned up immediately:

- (1) Contain spread of the spill.
- (2) Notify the project foreman immediately.
- (3) If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter, and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.
- (4) If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.
- (5) If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

For significant or hazardous spills that are in reportable quantities:

- (1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.
- (2) For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110, 119, and 302, the contractor should notify the National Response Center at (800) 424-8802.
- (3) Notification should first be made by telephone and followed up with a written report.

(4) The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.

(5) Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

More information on spill rules and appropriate responses is available on the TCEQ website at: https://www.tceq.texas.gov/response/spills/spill_rq.html

Vehicle and Equipment Maintenance

(1) If maintenance must occur onsite, use a designated area and a secondary containment, located away from drainage courses, to prevent the runoff of stormwater and the runoff of spills.

(2) Regularly inspect onsite vehicles and equipment for leaks and repair immediately

(3) Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment onsite.

(4) Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.

(5) Place drip pans or absorbent materials under paving equipment when not in use.

(6) Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.

(7) Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.

(8) Oil filters disposed of in trashcans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.

(9) Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

Vehicle and Equipment Fueling

(1) If fueling must occur on site, use designated areas, located away from drainage courses, to prevent the runoff of stormwater and the runoff of spills.

(2) Discourage "topping off" of fuel tanks.

(3) Always use secondary containment, such as a drain pan, when fueling to catch spills, leaks.

ATTACHMENT "B"

Potential Sources of Contamination

The only potential sources of contamination are construction equipment leaks, refueling spills, potential leaks from port-o-lets, and the total suspended solids (TSS) due to the construction activities on-site. There are no other anticipated potential sources of contamination.

ATTACHMENT "C"

Sequence of Major Activities

Stages of Construction:

1. Installation of Temporary BMP's (Silt Fence, Rock Berm, and Stabilized Construction Entrance)
2. Clearing and Grubbing: Removal of existing vegetation, top soil and other debris within the proposed construction site. Approximate total disturbed area = 1.75 acres
3. Rough Grading: Cutting of proposed entrance drive, parking areas, building pads, access drive, and drainage swales. Approximate total disturbed area = 1.75 acres
4. Utility Installation: N/A
5. Site Grading: Grading of entrance drive, parking areas, and building pads to prepare the subgrade for pavement and foundation. Approximate total disturbed area = 1.75 acre.
6. Pavement & Foundation: Installation of concrete foundations, parking, access drive, and entrance drive. Approximate total disturbed area = 1.75 acres.
7. Finished Grading: Final grading of drainage swale, slope grading, and landscaping and installation of Permanent BMP's. Approximate total disturbed area = 1.80 acres
8. Completion of Construction: Installation of all landscaping and replacement of destroyed vegetation. Once permanent growth of vegetation has occurred remove temporary BMP's (Silt Fence & Rock Berm).

ATTACHMENT "D"

Temporary BMP's and Measures

The following sequence will be followed for installing temporary BMP's:

1. Building pad, parking, drainage swale, entrance drive, utilities (water & wastewater), and access drive location will be located/surveyed. (No soil disturbance.)
2. Silt fence and rock berms will be constructed on the downgradient side of proposed construction site prior to beginning clearing and construction operations.
3. Stabilized construction entrance will be established at proposed entrance drive.

A. Any upgradient surface water entering this site will be handled by Temporary BMP's (Silt Fence & Rock Berm).

B. Silt fence will be placed on the downgradient side of proposed improvements to contain pollutants generated from onsite runoff. Material from excavation will be placed upstream of the silt fence to reduce the potential of sediment reports.

Rock berms will be placed on the down gradient end of channelized drainage locations to contain pollutants generated from onsite runoff.

Soil disturbance will be limited to a minimal distance outside the proposed pavement and landscaping footprint. Disturbed areas will be seeded to replace destroyed vegetation. The existing vegetation located downgradient of each proposed improvement will help to prevent pollution of water originating onsite and/or flowing offsite.

There were sensitive geological features discovered on the project during the field investigation. They are identified as C1 (30' diameter cave) and SC1 (12" x 10" solution cavity) in the geological assessment table. A temporary diversion dike can be placed upstream of the sensitive features to route runoff around the sensitive features.

Materials:

- (1) Stone stabilization (required for velocities in excess of 6 fps) should consist of riprap placed in a layer at least 3 inches thick and should extend a minimum height of 3 inches above the design water surface up the existing slope and the upstream face of the dike. Stabilization riprap should conform to the following specifications:

Channel Grade Riprap Stabilization:

- 0.5 – 1% 4 inch rock
- 1.1 – 2% 6 inch rock
- 2.1 – 4 % 8 inch rock
- 4.1 – 5% 8 – 12 inch riprap

- (2) Geotextile fabric should be a non-woven polypropylene fabric designed specifically for use as a soil filtration media with an approximate weight of 6 oz./yd², a Mullen burst rating of 140 psi, and having an equivalent opening size (EOS) greater than a #50 sieve.

Installation:

- (1) Diversion dikes should be installed prior to and maintained for the duration of construction and should intercept no more than 10 acres of runoff.
- (2) Dikes should have a minimum top width of 2 feet and a minimum height of compacted fill of 18 inches measured from the top of the existing ground at the upslope toe to top of the dike and having side slopes of 2:1 or flatter.
- (3) The soil for the dike should be placed in lifts of 8 inches or less and be compacted to 95 % standard proctor density.
- (4) The channel, which is formed by the dike, must have positive drainage for its entire length to an outlet.
- (5) When the slope exceeds 2 percent, or velocities exceed 6 feet per second (regardless of slope), stabilization is required. Situations in which velocities do not exceed 6 feet per second, vegetation may be used to control erosion.

Inspection and Maintenance Guidelines:

- (1) Swales should be inspected weekly and after each rain event to determine if silt is building up behind the dike or if erosion is occurring on the face of the dike.

Water Pollution and Abatement Plan

Locate and repair any damage to the channel or clear debris or other obstructions so as not to diminish flow capacity.

(2) Silt should be removed in a timely manner to prevent remobilization and to maintain the effectiveness of the control.

(3) If erosion is occurring on the face of the dike, the slopes of the face should either be stabilized through mulch or seeding or the slopes of the face should be reduced.

(4) Damage from storms or normal construction activities such as tire ruts or disturbance of swale stabilization should be repaired as soon as practical.

ATTACHMENT "E"**Request to Temporarily Seal a Feature**

There will be no request to temporarily seal a feature.

ATTACHMENT "F"**Structural Practices**

Silt fence will be used to protect disturbed soils and to prevent contamination from leaving the project site and rock berms will be used at areas of channelized drainage leaving the project site. The majority of the site will remain in a natural condition with minimal impacts to existing drainage paths; therefore, natural filtration will be allowed to occur.

ATTACHMENT "G"**Drainage Area Map**

See Drainage Area Map included in Construction Plans.

ATTACHMENT "H"**Temporary Sediment Pond Plans and Calculations**

Due to the small scale of the site and the minor soil disturbance involved no sediment ponds will be constructed.

ATTACHMENT "I"**Inspection and Maintenance for BMP's****Inspection and Maintenance Plan**

The contractor is required to inspect the fences and rock berms at weekly intervals and after any rainfall events to insure that they are functioning properly. The contractor is required to document any changes on the Site Plan; documentation must include person performing task, task performed, and date. The contractor must also document if proper inspection measures have been taken while making changes. The person(s) responsible for maintenance controls and fences shall immediately make any necessary repairs to damaged areas.

Construction Entrance/Exit: The entrance should be maintained in a condition, which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic cleanup of existing entrances/exits. All sediment spilled, dropped, washed, or tracked onto public rights-of-way should be removed immediately by contractor. When necessary, wheels should be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it should be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin. All sediment should be prevented from entering any storm drain, ditch, or watercourse by using approved methods.

Silt Fence: Remove sediment when buildup reaches 6 inches. Replace any torn fabric or install a second line of fencing parallel to the torn section. Replace or repair any sections crushed or collapsed in the course of construction activity. If a section of fence is obstructing vehicular access, consider relocating it to a spot where it will provide equal protection, but will not obstruct vehicles. A triangular filter dike may be preferable to a silt fence at common vehicle access points. When construction is complete, the sediment should be disposed of in a manner that will not cause additional siltation and the prior location of the silt fence should be revegetated. The fence itself should be disposed of in an approved landfill.

Rock Berm: Remove sediment and debris when buildup reaches 6 inches. Replace or rebuild any sections of berm that become damaged. Replace or repair any sections crushed or collapsed in the course of construction activity. If a section of berm is obstructing vehicular access, consider relocating it to a spot where it will provide equal protection, but will not obstruct vehicles. When construction is complete, the sediment should be disposed of in a manner that will not cause additional siltation and the prior location of the rock berm should be revegetated.

TCEQ staff will be allowed full access to the property during construction of the project for inspecting controls and fences and to verify that the accepted plan is being utilized in the field. TCEQ staff has the right to speak with the contractor to verify plan changes and modifications.

Any changes made to the location or type of controls shown on the accepted plans, due to onsite conditions, shall be documented on the site plan that is part of this Water Pollution Abatement Plan. No other changes shall be made unless approved by TCEQ and the Design Engineer. The contractor is required to document any changes on the Site Plan, documentation must include person performing task, task performed, and date. The contractor must also document if proper inspection measures have been taken while making changes. Documentation shall clearly show changes made, date, and person responsible and reason change was made.

ATTACHMENT "J"

Schedule of Interim and Permanent Soil Stabilization Practices

Areas which are disturbed by construction staging and storage areas will be hydra mulched with the appropriate seed mixture. Areas between the edge of construction site and right-of-way line will also be hydra mulched if soil layers exist. Areas within 15' of new pavement will be protected with an engineered vegetative filter strip and remaining areas will be landscaped with appropriate plants and mulched. There will be no fill slopes exceeding a 3:1 slope and all fill

slopes will be hydra mulched. All disturbed 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. Installation and acceptable mixtures of hydra mulch are as follows:

Materials:

Hydraulic Mulches: Wood fiber mulch can be applied alone or as a component of hydraulic matrices. Wood fiber applied alone is typically applied at the rate of 2,000 to 4,000 lb/acre. Wood fiber mulch is manufactured from wood or wood waste from lumber mills or from urban sources.

Hydraulic Matrices: Hydraulic matrices include a mixture of wood fiber and acrylic polymer or other tackifier as binder. Apply as a liquid slurry using a hydraulic application machine (i.e., hydra seeder) at the following minimum rates, or as specified by the manufacturer to achieve complete coverage of the target area: 2,000 to 4,000 lb/acre wood fiber mulch, and 5 to 10% (by weight) of tackifier (acrylic copolymer, guar, psyllium, etc.)

Bonded Fiber Matrix: Bonded fiber matrix (BFM) is a hydraulically applied system of fibers and adhesives that upon drying forms an erosion resistant blanket that promotes vegetation, and prevents soil erosion. BFMs are typically applied at rates from 3,000 lb/acre to 4,000 lb/acre based on the manufacturer's recommendation. A biodegradable BFM is composed of materials that are 100% biodegradable. The binder in the BFM should also be biodegradable and should not dissolve or disperse upon re-wetting. Typically, biodegradable BFMs should not be applied immediately before, during, or immediately after rainfall if the soil is saturated. Depending on the product, BFMs typically require 12 to 24 hours to dry and become effective.

Seed Mixtures:

Dates	Climate	Species	(lb/ac.)
Sept. 1 to Nov. 30	Temporary Cool Season	Tall Fescue	4.0
		Oats	21.0
		Wheat's	30.0
		Total	55.0
Sept. 1 to Nov. 30	Cool Season Legume	Hairy Vetch	8.0
May 1 to Aug. 31	Temporary Warm Season	Foxtail Millet	30.0

Fertilizer: Fertilizer should be applied at the rate of 40 pounds of nitrogen and 40 pounds of phosphorus per acre, which is equivalent to about 1.0 pounds of nitrogen and phosphorus per 1000 square feet.

Installation:

- (1) Prior to application, roughen embankment and fill areas by rolling with a crimping or punching type roller or by track walking. Track walking shall only be used where other methods are impractical.
- (2) To be effective, hydraulic matrices require 24 hours to dry before rainfall occurs.

(3) Avoid mulch over spray onto roads, sidewalks, drainage channels, existing vegetation, etc.

Owner's Information:

Owner: Texas Express RV & Boat Storage, LLC
Contact: Todd Hovis
Phone: (210) 439-5272
Address: 8200 Ranch Road 12
San Marcos, Texas 78666

Design Engineer:

Company: Tri-Tech Engineering, L.P.
Contact: Al Carroll Jr., P.E.
Phone: (512) 353-3335
Address: 155 Riverwalk Dr.
San Marcos, Texas 78666

Person or Firm Responsible for Erosion/Sedimentation Control Maintenance:

Company: To be determined
Contact:
Phone:
Address:

Signature of Responsible Party: _____

This portion of the form shall be filled out and signed by the responsible party prior to construction.

Permanent 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)(C), (D)(ii), (E), and (5), 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 **Permanent Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Print Name of Customer/Agent: Al Carroll, P.E.

Date: 4/11/2024

Signature of Customer/Agent



Regulated Entity Name: Texas Express RV & Boat Storage, LLC

Permanent Best Management Practices (BMPs)

Permanent best management practices and measures that will be used during and after construction is completed.

- Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
 N/A
- These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.
 The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

- A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is: _____
- N/A
3. Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.
- N/A
4. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.
- The site will be used for low density single-family residential development and has 20% or less impervious cover.
- The site will be used for low density single-family residential development but has more than 20% impervious cover.
- The site will not be used for low density single-family residential development.
5. The executive director may waive the requirement for other permanent BMPs for multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.
- Attachment A - 20% or Less Impervious Cover Waiver.** The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.
- The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
- The site will not be used for multi-family residential developments, schools, or small business sites.
6. **Attachment B - BMPs for Upgradient Stormwater.**

- A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached.
 - No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.
 - Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.
7. **Attachment C - BMPs for On-site Stormwater.**
- A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached.
 - Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.
8. **Attachment D - BMPs for Surface Streams.** A description of the BMPs and measures that prevent pollutants from entering surface streams, sensitive features, or the aquifer is attached. Each feature identified in the Geologic Assessment as sensitive has been addressed.
- N/A
9. The applicant understands that to the extent practicable, BMPs and measures must maintain flow to naturally occurring sensitive features identified in either the geologic assessment, executive director review, or during excavation, blasting, or construction.
- The permanent sealing of or diversion of flow from a naturally-occurring sensitive feature that accepts recharge to the Edwards Aquifer as a permanent pollution abatement measure has not been proposed.
 - Attachment E - Request to Seal Features.** A request to seal a naturally-occurring sensitive feature, that includes, for each feature, a justification as to why no reasonable and practicable alternative exists, is attached.
10. **Attachment F - Construction Plans.** All construction plans and design calculations for the proposed permanent BMP(s) and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. The plans are attached and, if applicable include:
- Design calculations (TSS removal calculations)
 - TCEQ construction notes
 - All geologic features
 - All proposed structural BMP(s) plans and specifications
- N/A

11. **Attachment G - Inspection, Maintenance, Repair and Retrofit Plan.** A plan for the inspection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan includes all of the following:
- Prepared and certified by the engineer designing the permanent BMPs and measures
 - Signed by the owner or responsible party
 - Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
 - A discussion of record keeping procedures
- N/A
12. **Attachment H - Pilot-Scale Field Testing Plan.** Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.
- N/A
13. **Attachment I - Measures for Minimizing Surface Stream Contamination.** A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that results in water quality degradation.
- N/A

Responsibility for Maintenance of Permanent BMP(s)

Responsibility for maintenance of best management practices and measures after construction is complete.

14. The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.
- N/A
15. A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.
- N/A

ATTACHMENT "A"

20% or Less Impervious Cover Waiver, if project is multi-family residential, a school, or a small business and 20% or less impervious cover is proposed

This site will be a commercial development with fewer than 5 employees and 14.6% impervious cover so there is no requirement to treat storm water runoff according to 30 TAC Chapter 213.

ATTACHMENT "B"

BMPs for Upgradient Stormwater

N/A

ATTACHMENT "C"

BMPs for On-site Stormwater

N/A

ATTACHMENT "D"

BMPs for Surface Streams

N/A

ATTACHMENT "E"

Request to Seal Features (if sealing a feature)

N/A

ATTACHMENT "F"

Construction Plans

Please see the attached site plan.

OVERALL LOT LAYOUT EXHIBIT
8200 RANCH ROAD 12
 CITY OF SAN MARCOS
 HAYS COUNTY, TEXAS

IMPERVIOUS COVER CALCULATIONS

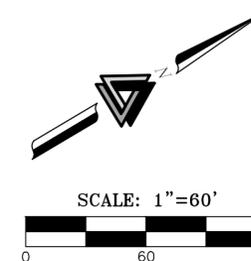
<u>Lot Area:</u>	(12.01 Acres)
<u>Proposed Development Impervious Cover:</u>	
<u>Buildings:</u>	43,600 SQ FT (1.00 Acres)
<u>Gravel Parking Areas*:</u>	32,794 SQ FT (0.75 Acres)
Total Impervious Area =	76,394 SQ FT (1.75 Acres)
Total Impervious Coverage =	14.6%

*Gravel parking area has been adjusted by a 0.5 factor due to the semi-pervious properties of gravel.



NOTES:

1. Topographic information shown hereon derived from survey data, provided by Trihydro Corp., dated 07/17/2023.
2. Functional Roadway Classification - Major Collector / Speed Limit 50 MPH



PREPARED ON FEBRUARY 2, 2024
 SHEET 1 OF 2

SM-23-1132
 ENGINEER:



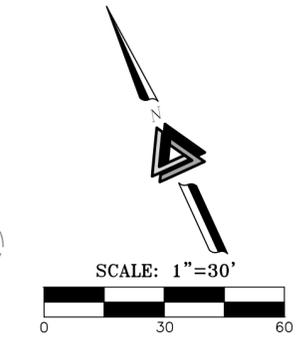
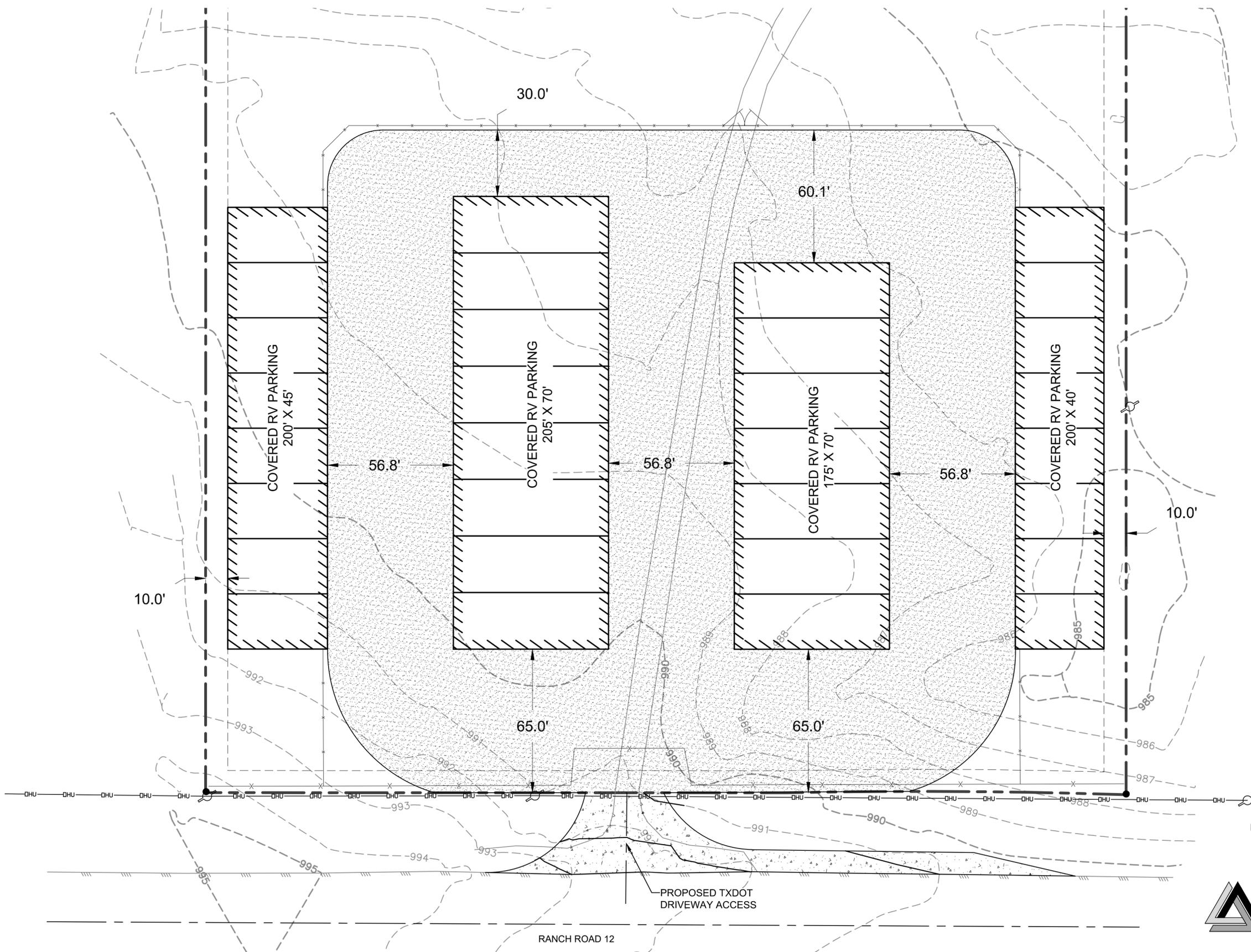
TRI-TECH
 ENGINEERING, L.P.

155 RIVERWALK DRIVE
 SAN MARCOS, TEXAS 78666
 PH: 512-440-0222

TBPE REGIS. #: F-18693
 www.tritechtx.com

**SITE PLAN EXHIBIT
8200 RANCH ROAD 12**

CITY OF SAN MARCOS
HAYS COUNTY, TEXAS



NOTES:

1. Topographic information shown hereon derived from survey data, provided by Trihydro Corp., dated 07/17/2023.
2. Functional Roadway Classification - Major Collector / Speed Limit 50 MPH

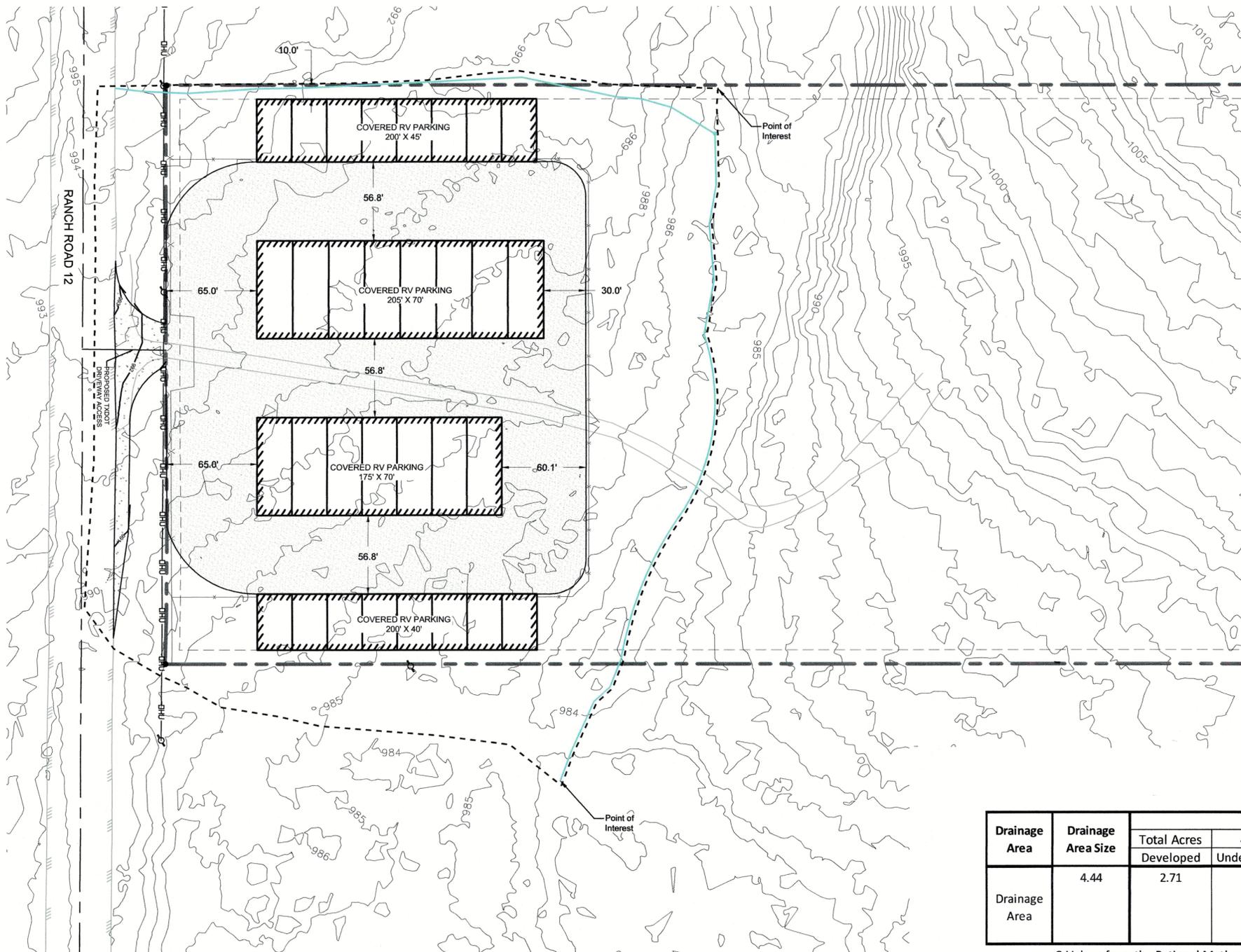
PREPARED ON FEBRUARY 2, 2024
SHEET 2 OF 2

SM-23-1132
ENGINEER:



TRI-TECH
ENGINEERING, L.P.
155 RIVERWALK DRIVE
SAN MARCOS, TEXAS 78666
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DRAINAGE PLAN
8200 RANCH ROAD 12
 CITY OF SAN MARCOS
 HAYS COUNTY, TEXAS



Sheet Flow	
$T_t = (.007 * (n * L)^{0.8}) / ((P_2)^{0.5} * (S)^{0.4})$	
n: Manning's coefficient:	0.13
L: Length of flow (ft) (< 300')	100 ft
P: 2-yr, 24 hour rainfall (in)	4.1 inches
S: slope of drainage (ft/ft)	0.028 ft/ft
Highest Elevation:	995.8
Lowest Elevation:	993
$T_t = 0.1124599$ hours	
$T_t = 6.7475923$ minutes	
Shallow Flow	
Unpaved	
$T_t = L / (3600 * (16.1345) * (s)^{0.5})$	
L: Length of flow (ft)	349 ft
S: slope of drainage (ft/ft)	0.0226361 ft/ft
Highest Elevation:	993
Lowest Elevation:	985.1
$T_t = 0.0399362$ hours	
$T_t = 2.3961711$ minutes	
Shallow Flow Velocity (Unpaved)	
$V = 16.1345 * (s)^{0.5}$	
v =	2.4 ft/sec
Channel Flow	
L: Length of flow (ft)	492 ft
Assumed Velocity =	0.5 fps
Highest Elevation:	985.1
Lowest Elevation:	983.4
Slope:	0.3%
$T_t = 984$ seconds	
$T_t = 16.4$ minutes	
Total Time of Concentration:	16.40 minutes
Total Time of Concentration:	25.54 minutes

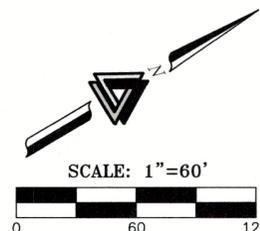
RUNOFF CALCULATIONS

Drainage Area	Drainage Area Size	Total Acres		Composite C-Values	Time of Concentration (minutes)	Rainfall Intensity (inches/hour)	Q (cubic feet per second)
		Developed	Undeveloped				
	4.44	2.71	1.73	2- Year 0.59	25.54	3.00	7.9
				10- Year 0.67		4.97	14.7
				25- Year 0.71		6.21	19.5
				100- Year 0.79		8.31	29.2

- C-Values from the Rational Method Runoff Coefficients for Composite Analysis from the City of Austin Drainage Criteria Manual
- Rainfall Intensity derived from TXDOT Rainfall IDF Coefficients for Texas, Hays County - Zone 1 - Based on NOAA Atlas 14

NOTES:

1. Topographic information shown hereon derived from 2008 Hays County LIDAR Contours (1') for the Wimberley Quadrangle Dataset.
2. Ranch Road 12 Functional Roadway Classification - Minor Arterial / Speed Limit 60 MPH



PREPARED ON MARCH 19, 2024
 SHEET 5 OF 5

SM-23-1132

ENGINEER:
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ATTACHMENT "G"
Inspection, Maintenance, Repair and Retrofit Plan

N/A

ATTACHMENT "H"
**Pilot-Scale Field Testing Plan, if BMPs not based on Complying with the Edwards Aquifer
Rules: Technical Guidance for BMPs**

N/A

ATTACHMENT "I"
Measures for Minimizing Surface Stream Contamination

N/A

SIGNATURE PAGE:

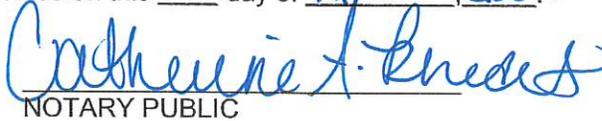

Applicant's Signature

4-19-24
Date

THE STATE OF Texas §
County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared Todd W. Havis 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 19 day of April, 2024


NOTARY PUBLIC

Catherine A. Rhodes
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 04.24.2027



Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Texas Express RV & Boat Storage, LLC

Regulated Entity Location: 8200 Ranch Road 12, San Marcos, Tx 78666

Name of Customer: Todd Hovis

Contact Person: Al Carroll, P.E.

Phone: (512) 440-0222

Customer Reference Number (if issued): CN TBD

Regulated Entity Reference Number (if issued): RN TBD

Austin Regional Office (3373)

Hays

Travis

Williamson

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

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

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

12100 Park 35 Circle

Mail Code 214

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(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	12.01 Acres	\$ 6,500
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	\$
Extension of Time	Each	\$

Signature: 

Date: 4/11/2024

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

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

<i>Project</i>	<i>Fee</i>
Exception Request	\$500

Extension of Time Requests

<i>Project</i>	<i>Fee</i>
Extension of Time Request	\$150



TCEQ Core Data Form

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

SECTION I: General Information

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

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
Texas Express RV & Boat Storage			
7. TX SOS/CPA Filing Number 0805451865	8. TX State Tax ID (11 digits) 32094077123	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable) 126081048
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input type="checkbox"/> Corporation Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Individual <input type="checkbox"/> Sole Proprietorship	
12. Number of Employees <input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		13. Independently Owned and Operated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:			
8200 RR 12			
City	San Marcos	State	TX
ZIP	78666	ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		toddwhovis@gmail.com & jenn.hovis@gmail.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	

SECTION III: Regulated Entity Information

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

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.)

Texas Express RV & Boat Storage, LLC

23. Street Address of the Regulated Entity:

8200 Ranch Road 12

(No PO Boxes)

City	San Marcos	State	TX	ZIP	78666	ZIP + 4	
------	------------	-------	----	-----	-------	---------	--

24. County

Hays County

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

25. Description to Physical Location:

26. Nearest City

State

Nearest ZIP Code

Tx

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:

28. Longitude (W) In Decimal:

Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
---------	---------	---------	---------	---------	---------

29. Primary SIC Code

30. Secondary SIC Code

31. Primary NAICS Code

32. Secondary NAICS Code

(4 digits) (4 digits) (5 or 6 digits) (5 or 6 digits)

4226

531130

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

RV & Boat Storage

34. Mailing Address:

8200 RR 12

City	San Marcos	State	Tx	ZIP	78666	ZIP + 4	
------	------------	-------	----	-----	-------	---------	--

35. E-Mail Address:

jenn.hovis@gmail.com & toddwhovis@gmail.com

36. Telephone Number

37. Extension or Code

38. Fax Number (if applicable)

(210) 439-5272

() -

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

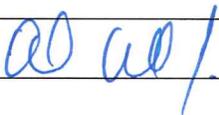
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source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

SECTION IV: Preparer Information

40. Name:	Al Carroll			41. Title:	P.E., Civil Engineer Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(512) 440-0222		() -	acrarroll@tritechtx.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:	Tri-Tech Engineering, L.P.	Job Title:	Civil Engineering Manager
Name (In Print):	Al Carroll, P.E.	Phone:	(512) 440- 222
Signature:		Date:	4/5/2024