



Land Development - Consulting - Engineering
TBPE Firm Registration #13637

4/9/2024

Sarah Patterson
TCEQ
14250 Judson Road
San Antonio, Texas 78233

RE: Review Comments – Lilypad Garden School
To whom it may concern,

Please accept this letter as formal response to TCEQ reviewing comments provided. Unless otherwise specified below, no other changes/revisions were made to the plans and report.

The following still needs addressed:

1. Is there a previous Edwards approval for the building currently on this site?

Please see the attached email with Monica Reyes.

The building does not need to be treated since it was built before 1984.

Agent Authorization Form (TCEQ-0599)

2. Corporation/Partnership/Entity Name does not match the parcel/land owner as shown on the Bexar Central Appraisal District map or line 7 of the General Information Form. Please verify spelling.

Agent authorization has been revised with correct spelling.

We believe this addresses your comments on the Lilypad Garden School Plat dated April 9, 2024. If you have questions regarding our responses, please call our office 210.462.9334. We believe we can resolve any remaining questions by phone. If you have any questions, please call.

Respectfully,



Ilich Daniel Aguilar, P.E., C.F.M.
Managing Partner

To: saguilar@bexareng.com
Subject: RE: TCEQ QUESTION FOR LILYPAD GRANDFATHERED (18952 REDLAND RD)

From: Monica Reyes <Monica.Reyes@tceq.texas.gov>
Sent: Tuesday, January 16, 2024 1:42 PM
To: saguilar@bexareng.com
Subject: RE: TCEQ QUESTION FOR LILYPAD GRANDFATHERED (18952 REDLAND RD)

For the aerial I found. It looks like it was built before 1983.



Monica Reyes

Team Lead | Edwards Aquifer Protection Program
14250 Judson Road | San Antonio, Texas 78233
Email: monica.reyes@tceq.texas.gov | Phone: (210) 403-4061 | Fax: (210)545-4329



From: Monica Reyes <Monica.Reyes@tceq.texas.gov>
Sent: Tuesday, January 16, 2024 1:28 PM
To: saguilar@bexareng.com
Subject: RE: TCEQ QUESTION FOR LILYPAD GRANDFATHERED (18952 REDLAND RD)

Sapphire,

You are correct. You only need to size the pond for what is built after the rule (1984).

Monica Reyes

Team Lead | Edwards Aquifer Protection Program
14250 Judson Road | San Antonio, Texas 78233
Email: monica.reyes@tceq.texas.gov | Phone: (210) 403-4061 | Fax: (210)545-4329

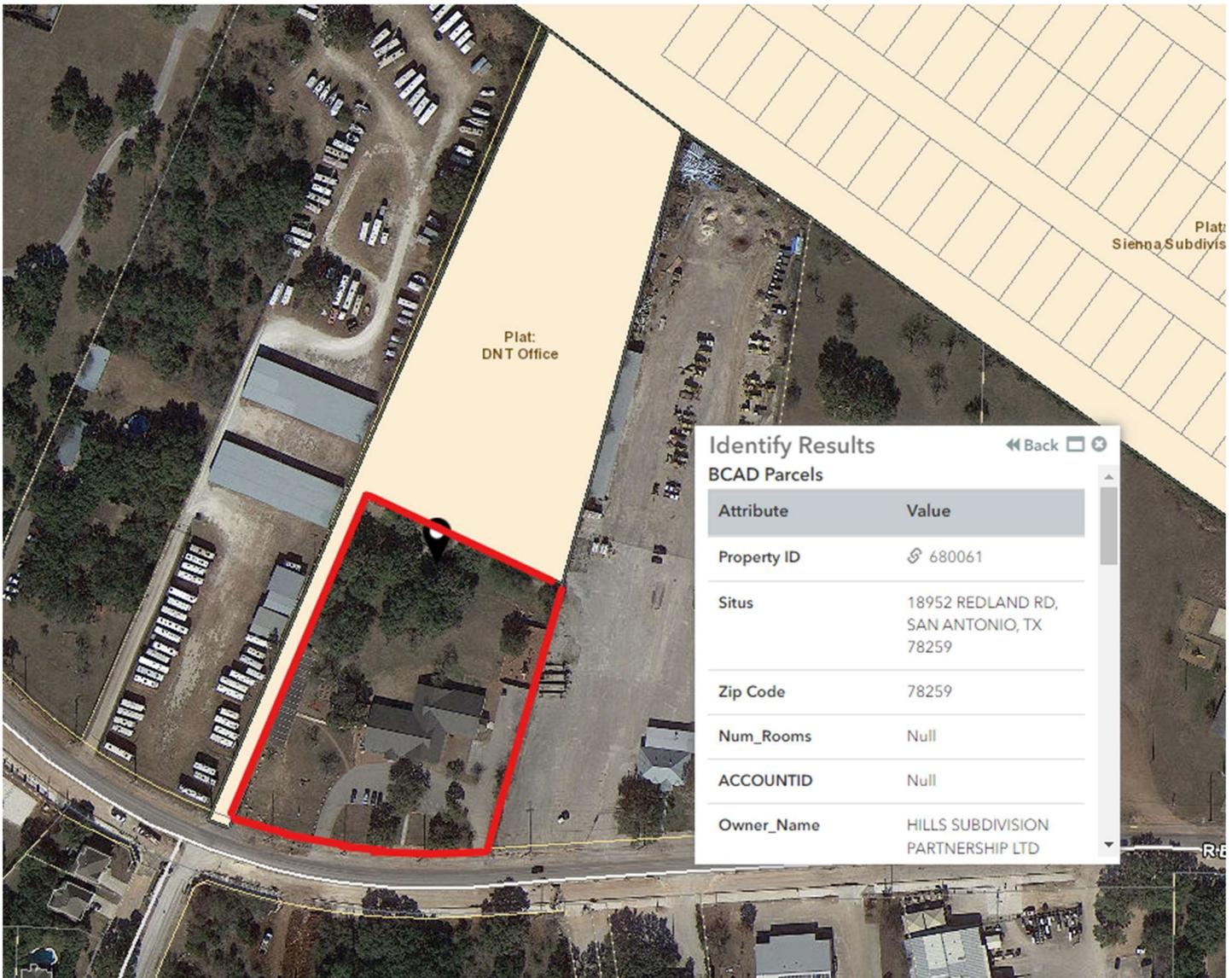


From: saguilar@bexareng.com <saguilar@bexareng.com>
Sent: Tuesday, January 16, 2024 10:46 AM
To: Monica Reyes <Monica.Reyes@tceq.texas.gov>
Subject: TCEQ QUESTION FOR LILYPAD GRANDFATHERED (18952 REDLAND RD)

Good morning Monica,

I have a question about a site located at 18952 Redland Road, BCAD ID: 680061. The owner would like to add 3 portables for her students. We are in the process of putting together the TCEQ submittal and sizing the pond. We are unsure if we need to treat and size the pond to include the existing building that was built prior to 1987. The existing building and some of the drive according to BCAD was built in 1978.

Could you please confirm if we just need to size for what was done after 1987? Thank you!



Sapphire Aguilar

Engineering Technician

Bexar Engineers & Associates, LLC

TBPE Firm Registration #13637

4703 Shavano Oak, Suite 100

San Antonio, Texas 78249

O: 210.462.9334

M:210.548.6737

saguilar@bexareng.com



ENGINEERS | ASSOCIATES

CONFIDENTIAL INFORMATION: The information contained in this e-mail is privileged and confidential information intended for the use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to

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: Lilypad Garden School					2. Regulated Entity No.:				
3. Customer Name: Lilly Arguello					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):		3.07	
9. Application Fee:	\$4,000.00		10. Permanent BMP(s):			Vegetative Filter Strip/Rain Cistern			
11. SCS (Linear Ft.):	N/A		12. AST/UST (No. Tanks):			N/A			
13. County:	Bexar		14. Watershed:			Salado 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.)	—	—	—
Region (1 req.)	—	—	—
County(ies)	—	—	—
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Barton Springs/ Edwards Aquifer <input 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)	<input checked="" type="checkbox"/>	—	—	—	—
Groundwater Conservation District(s)	<input checked="" 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 checked="" 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.

DANIEL AGUILAR, PE, CFM

Print Name of Customer/Authorized Agent

Signature of Customer/Authorized Agent

Date

2/28/2024

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):

WATER POLLUTION ABATEMENT PLAN

LILYPAD GARDEN SCHOOL

Bexar County, Texas
City of San Antonio

MARCH 2024



ENGINEERS | ASSOCIATES

4703 Shavano Oak, Ste.100, San Antonio, TX 78249

Office: (210) 462-9334

TBPE FIRM REGISTRATION NO. 13637

LILYPAD GARDEN SCHOOL
WATER POLLUTION ABATEMENT PLAN

TABLE OF CONTENTS

SECTION 1 - WATER POLLUTION ABATEMENT PLAN CHECKLIST, TCEQ-0584

SECTION 2 - GENERAL INFORMATION FORM, TCEQ-0587

- **ATTACHMENT A - ROAD MAP**
- **ATTACHMENT B - USGS MAP/RECHARGE ZONE MAP**
- **ATTACHMENT C - PROJECT DESCRIPTION**

SECTION 3 - GEOLOGIC ASSESSMENT FORM, TCEQ-0585

- **SITE GEOLOGIC MAP**

SECTION 4 - WATER POLLUTION ABATMENT PLAN APPLICATION FORM, TCEQ-0584

- **ATTACHMENT A - FACTORS AFFECTING SURFACE WATER QUALITY**
- **ATTACHMENT B - VOLUME AND CHARACTER OF STORMWATER**
- **ATTACHMENT C – SUITABILITY LETTER FROM AUTHORIZED AGENT**
- **SITE PLAN**

SECTION 5 - TEMPORARY STORMWATER SECTION, TCEQ-0602

- **ATTACHMENT A - SPILL RESPONSE ACTIONS**
- **ATTACHMENT B - POTENTIAL SOURCES OF CONTAMINATION**
- **ATTACHMENT C - SEQUENCE OF MAJOR ACTIVITIES**
- **ATTACHMENT D - TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES**
- **ATTACHMENT F - STRUCTURAL PRACTICES**
- **ATTACHMENT G - DRAINAGE AREA MAPS**
- **ATTACHMENT I - INSPECTION, MAINTENANCE FOR BMPs**
- **ATTACHMENT J - SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES**

SECTION 6 - PERMANENT STORMWATER SECTION, TCEQ-0600

- **ATTACHMENT B - BMP'S FOR UPGRADIENT STORMWATER**
- **ATTACHMENT C - BMP'S FOR ONSITE STORMWATER**
- **ATTACHMENT D - BMP'S FOR SURFACE STREAMS**
- **ATTACHMENT F - CONSTRUCTION PLANS**
- **ATTACHMENT G - INSPECTION, MAINTENANCE, REPAIR AND RETROFIT PLAN**
- **ATTACHMENT I - MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION**

SECTION 7 - AGENT AUTHORIZATION FORM, TCEQ-0599

SECTION 8 - FEE APPLICATION FORM, TCEQ-0574

SECTION 9 - CORE DATA FORM, TCEQ-10400

Water Pollution Abatement Plan Checklist

- **Edwards Aquifer Application Cover Page (TCEQ-20705)**
- **General Information Form (TCEQ-0587)**
 - Attachment A - Road Map
 - Attachment B - USGS / Edwards Recharge Zone Map
 - Attachment C - Project Description
- **Geologic Assessment Form (TCEQ-0585)**
 - Attachment A - Geologic Assessment Table (TCEQ-0585-Table)
 - Attachment B - Stratigraphic Column
 - Attachment C - Site Geology
 - Attachment D - Site Geologic Map(s)
- **Water Pollution Abatement Plan Application Form (TCEQ-0584)**
 - Attachment A - Factors Affecting Surface Water Quality
 - Attachment B - Volume and Character of Stormwater
 - Attachment C - Suitability Letter from Authorized Agent (if OSSF is proposed)
 - Attachment D - Exception to the Required Geologic Assessment (if requested)
 - Site Plan
- **Temporary Stormwater Section (TCEQ-0602)**
 - Attachment A - Spill Response Actions
 - Attachment B - Potential Sources of Contamination
 - Attachment C - Sequence of Major Activities
 - Attachment D - Temporary Best Management Practices and Measures
 - Attachment E - Request to Temporarily Seal a Feature (if requested)
 - Attachment F - Structural Practices
 - Attachment G - Drainage Area Map
 - Attachment H - Temporary Sediment Pond(s) Plans and Calculations
 - Attachment I - Inspection and Maintenance for BMPs
 - Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices
- **Permanent Stormwater Section (TCEQ-0600)**
 - Attachment A - 20% or Less Impervious Cover Waiver (if requested for multi-family, school, or small business site)
 - Attachment B - BMPs for Upgradient Stormwater
 - Attachment C - BMPs for On-site Stormwater
 - Attachment D - BMPs for Surface Streams
 - Attachment E - Request to Seal Features (if sealing a feature)
 - Attachment F - Construction Plans
 - Attachment G - Inspection, Maintenance, Repair and Retrofit Plan
 - Attachment H - Pilot-Scale Field Testing Plan (if proposed)
 - Attachment I - Measures for Minimizing Surface Stream Contamination

- **Agent Authorization Form (TCEQ-0599), if application submitted by agent**
- **Application Fee Form (TCEQ-0574)**
- **Check Payable to the “Texas Commission on Environmental Quality”**
- **Core Data Form (TCEQ-10400)**

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.

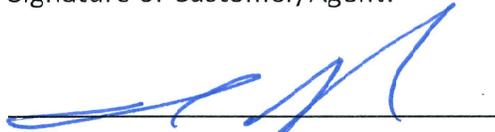
Signature

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: BEXAR ENGINEERS & ASSOCIATES

Date: 2/28/2024

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: LILYPAD GARDEN SCHOOL

2. County: Bexar

3. Stream Basin: Salado Creek Watershed

4. Groundwater Conservation District (If applicable): _____

5. Edwards Aquifer Zone:

Recharge Zone

Transition Zone

6. Plan Type:

WPAP

SCS

Modification

AST

UST

Exception Request

7. Customer (Applicant):

Contact Person: Lilly Arguello

Entity: Lilypad Garden School

Mailing Address: 18952 Redland Rd

City, State: San Antonio

Zip: 78259

Telephone: 210-497-3024

FAX: _____

Email Address: larguello@lilypadfarmschool.com

8. Agent/Representative (If any):

Contact Person: Daniel Aguilar, PE, CFM

Entity: Bexar Engineers & Associates

Mailing Address: 7042 ALAMO DOWNS PKWY., STE. 550

City, State: San Antonio

Zip: 78238

Telephone: 210-462-9334

FAX: _____

Email Address: daguilar@bexareng.com

9. Project Location:

The project site is located inside the city limits of San Antonio.

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 is located approximately at the intersection of Redland Road and Legend Oaks.

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: 12/15/23

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.

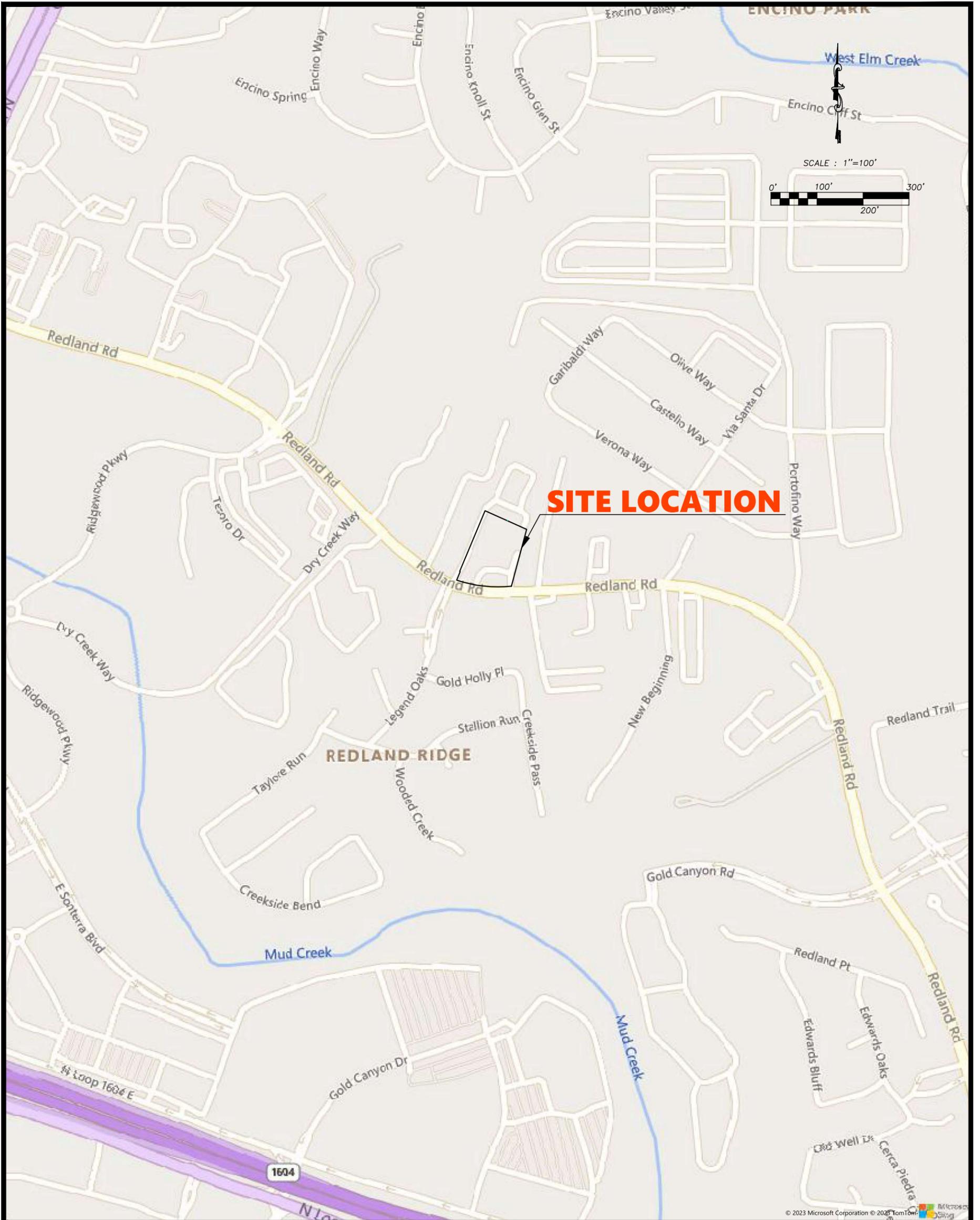
Administrative Information

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.

**LILYPAD GARDEN SCHOOL
WATER POLLUTION ABATEMENT PLAN**

**TCEQ FORM 0587
ATTACHMENT A – ROAD MAP**



ROAD MAP

18952 REDLAND RD
SAN ANTONIO, TX 78259

PHONE: 210.462.9334
www.bexareng.com



BEXAR
ENGINEERS | ASSOCIATES
4703 SHAVANO OAK | STE. 100 | SAN ANTONIO | TX | 78249

TBPE FIRM 13637

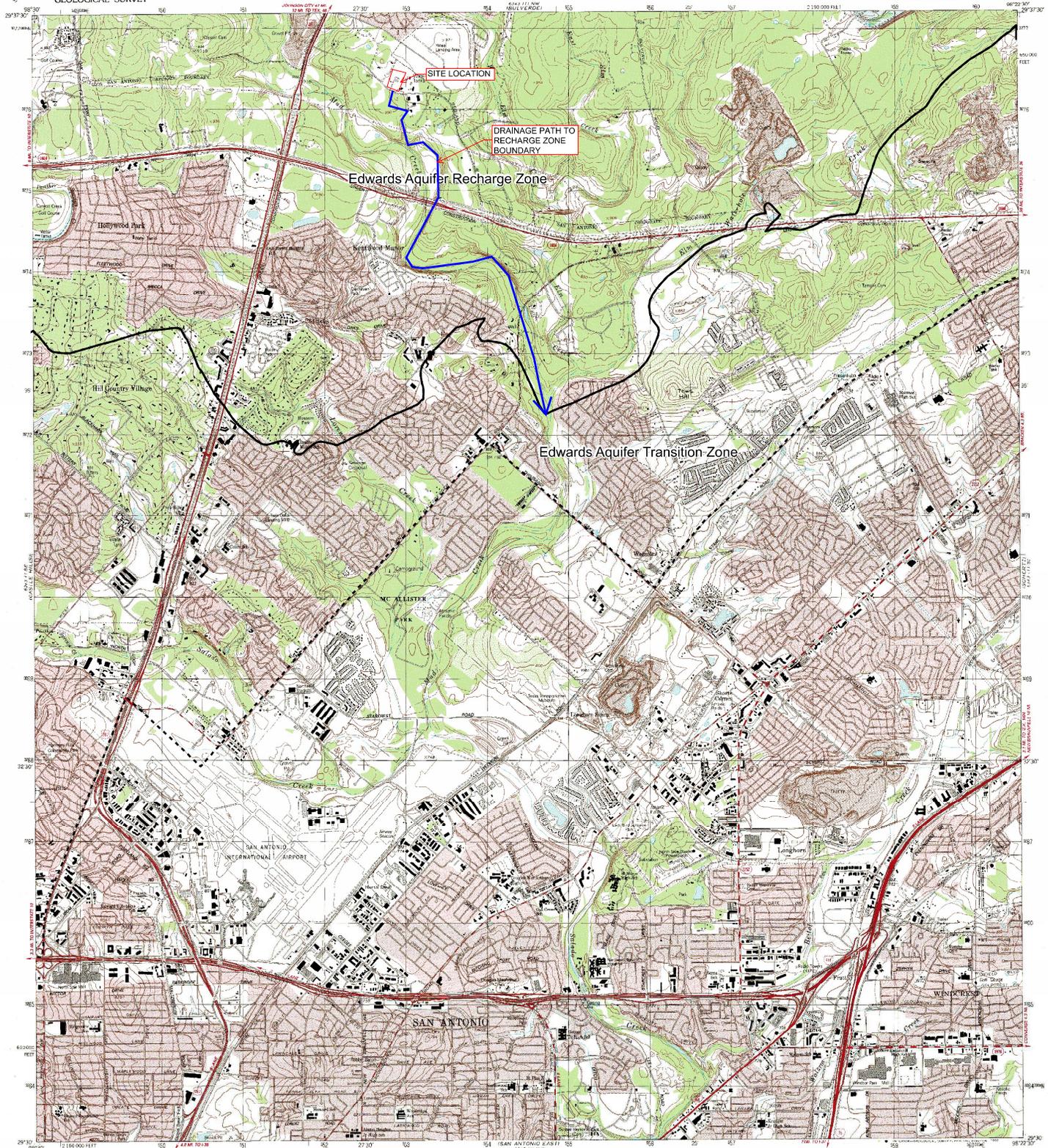


DESIGN	DA
DRAWN	ELB
CHECKED	CAH
DATE	12/1/23
JOB NO.	2301570

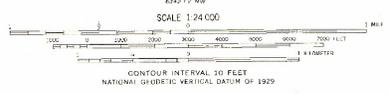
LILYPAD GARDEN SCHOOL
WATER POLLUTION ABATEMENT PLAN

TCEQ FORM 0587

ATTACHMENT B – USGS/EDWARDS RECHARGE ZONE MAP



Produced by the United States Geological Survey
Control by USGS, NZR/NOAA and USCE
Compiled by Defense Mapping Agency from aerial photographs
taken 1952. Revision from aerial photographs taken 1986
and other sources. First edition 1952. Map revised 1992.
North American Datum of 1927 (NAD 27). Projection and
10 000-foot grid scale. Texas Coordinate System.
Each central zone Lambert Conformal Conic
1 000-meter Universal Transverse Mercator grid, zone 14.
The difference between NAD 27 and North American Datum of
1983 (NAD 83) is about 0.5 minute (approximately 0.5
feet) in 1992. The NAD 83 is shown by dashed corner ticks.
Red 'x' indicates areas in which only landmark buildings are shown
and subject to continued inundation.



ROAD CLASSIFICATION
 Heavy highway: Light duty road, hard or
 hard surface: Improved surface
 Secondary highway: Unimproved road
 hard surface: Stone Road



THIS MAP COMPLETES WITH NATIONAL MAP ACQUISITION PROGRAM
 FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80202, OR RESTON, VIRGINIA 22092
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

LONGHORN, TEXAS
 2998-422
 1992
 DMR 6410 N. SW-66855 1992



Regulatory Zones
30 TAC Chapter 213- Edwards Aquifer
Effective March 1974

This map was produced by the Groundwater Planning and Assessment Team of the Texas Commission on Environmental Quality to define the boundaries of the regulatory zones of the Edwards Aquifer Protection Program, as described in Texas Administrative Code Title 30, Part 1, §213.3. No other claims are made to the accuracy or completeness of this data or to its suitability for a particular use. For more information about the Edwards Aquifer Protection Program, please contact the TCEQ Regional Offices in San Antonio or Austin. Printed June 2008.

TCEQ FORM 0587
ATTACHMENT C – PROJECT DESCRIPTION

Lilypad Garden School is a proposed school development to be constructed on a currently developed 3.07-acre tract. The site address is 18952 Redland Rd, San Antonio, TX 78259, located approximately at the intersection of Redland Road and Legend Oaks.

The site has approximately 0.52 acres of predevelopment impervious cover. Proposed activities on this site include clearing, excavation, installation of utilities, grading, construction of three portables, expanding the existing parking lot, landscaping, and site clean-up. Post-development impervious cover is approximately 0.90 acres (29% of the site).

The proposed development will consist of (3) buildings that will each be 1,536 square feet and will serve as school portables, along with an expansion to the existing parking lot.

A Retention/Irrigation system sized to capture the first ½ -inch of storm water runoff from the rooftops will serve as the permanent BMP for the proposed portables. This Permanent BMP has been designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348(2005) to remove 100% of the increase in the Total Suspended Solids (TSS) from the site.

A Vegetative Filter Strip sized to capture the first ½ -inch of storm water runoff will serve as the permanent BMP for the parking lot on the site. This Permanent BMP has been designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348(2005) to remove 85% of the increase in the Total Suspended Solids (TSS) from the site.

Potable water service will be provided by the San Antonio Water System. Wastewater generated by this development is estimated to be 580 gallons per day (gpd). It will be disposed of by connection to an existing Septic system.

SAWS Equivalent Dwelling Units (EDU) Calculations

School (5 Gal/Student) Students 80

$$5 \text{ Gal/Student} \times 80 = 400 \text{ Gal}$$

(2) EDU = 290 gallons per day as average sewage flow

$$400 \text{ Gal}/290 \text{ Gal} = 1.38 \text{ use } 2 \text{ EDU's}$$

$$2 \text{ EDU's} = 290 \text{ Gal} \times 2 = 580 \text{ gpd}$$

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: Roman C. Pineda,
P.G.

Telephone: (210) 979-8444

Fax: (210) 979-8441

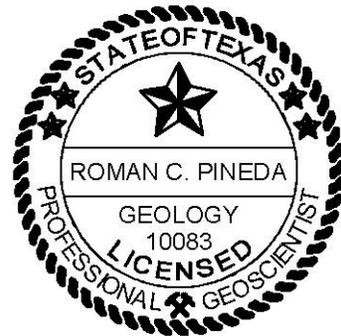
Date: 1/10/2024

Representing: Colliers Engineering & Design, TBPE Firm #9513 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

Roman C. Pineda

Regulated Entity Name: 18952 Redland Rd.



Project Information

1. Date(s) Geologic Assessment was performed: January 8, 2024

2. Type of Project:

WPAP
 SCS

AST
 UST

3. Location of Project:

Recharge Zone
 Transition Zone
 Contributing Zone within the Transition Zone

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

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
Crawford, stony and Bexar soils, 0 to 5 percent slopes (Cb)	D	0-1

Soil Name	Group*	Thickness(feet)

* Soil Group Definitions (Abbreviated)

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

6. **Attachment B – Stratigraphic Column.** A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
7. **Attachment C – Site Geology.** A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
8. **Attachment D – Site Geologic Map(s).** The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'
 Applicant's Site Plan Scale: 1" = 30'
 Site Geologic Map Scale: 1" = 30'
 Site Soils Map Scale (if more than 1 soil type): 1" = NA'
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.

18952 REDLAND RD.

Stratigraphic Column

[Hydrogeologic subdivisions modified from Maclay and Small (1976); groups, formations and members modified from Rose (1972); lithology modified from Dunham (1962); and porosity type modified from Choquette and Pray (1970); CU, confining unit; AQ, aquifer]

Hydrogeologic subdivision		Group, formation, or member	Hydrologic function	Thickness (feet)	Lithology	Field Identification	Cavern development	Porosity/permeability type		
Lower Cretaceous	I	Georgetown Formation (Kgt)	Karst AQ; no karst CU	2-20	Reddish-brown, gray to light tan marly limestone	Marker fossil; <i>Waconella wacoensis</i>	None	Low porosity/low permeability		
	II	Edwards Group	Person Formation (Kep)	Cyclic and marine members, undivided	AQ	80-90	Mudstone to packstone; <i>miliolid</i> grainstone; chert	Thin graded cycles; massive beds to relatively thin beds; crossbeds	Many subsurface; might be associated with earlier karst development	Laterally extensive; both fabric and not fabric/water-yielding
	III			Leached and collapsed members, undivided	AQ	70-90	Crystalline limestone; mudstone to grainstone; chert; collapsed breccia	Bioturbated iron-stained beds separated by massive limestone beds; stromatolitic limestone	Extensive lateral development; large rooms	Majority not fabric/one of the most permeable
	IV	Edwards Aquifer	Edwards Group	Regional dense member	CU	20-24	Dense, argillaceous mudstone	Wispy iron-oxide stains	Very few; only vertical fracture enlargement	Not fabric/low permeability; vertical barrier
	V			Grainstone member	AQ	50-60	<i>Miliolid</i> grainstone; mudstone to wackestone; chert	White crossbedded grainstone	Few	Not fabric/recrystallization reduces permeability
	VI			Kirschberg evaporite member	AQ	50-60	Highly altered crystalline limestone; chalky mudstone; chert	Boxwork voids, with neospar and travertine frame	Probably extensive cave development	Majority fabric/one of the most permeable
	VII			Dolomite member	AQ	110-130	Mudstone to grainstone; crystalline limestone; chert	Massively bedded light gray, <i>Toucasia</i> abundant	Caves related to structure or bedding planes	Mostly not fabric; some bedding plane fabric/water-yielding
	VIII			Basal nodular member	Karst AQ; no karst CU	50-60	Shaly, nodular limestone mudstone and miliolid grainstone	Massive, nodular and mottled, <i>Exogyra texana</i>	Large lateral caves at surface; a few caves near Cibolo Creek	Fabric; stratigraphically controlled/large conduit now at surface; no permeability in subsurface

(Modified from Small and Hanson, 1994)

ATTACHMENT B

18952 REDLAND RD.

Narrative Description of Site Geology

The overall potential for fluid migration to the Edwards Aquifer on the site is intermediate. The dominant trend for the site is N38°E, based on an average of the trends of faults within the surrounding area and from published maps (Stein & Ozuna, 1995). The site is located within the leached and collapsed members (Keplc) of the Person Formation.

Keplc is characterized by a mudstone to grainstone with chert. Karst development in the Keplc is characterized by large sinkholes and caves with extensive lateral development and large rooms. No caves or sinkholes were identified onsite.

Feature S-1

Feature is an existing water well located adjacent to the south of two large concrete water tanks. The well has 6-inch steel casing extending approximately 1-foot above a concrete pad. The well is equipped with a submersible pump and electricity connection but appears to be abandoned and no longer in-use. Therefore, the probability for rapid infiltration is low. Depth of the well is unknown.

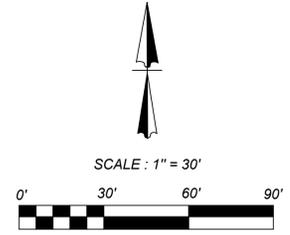
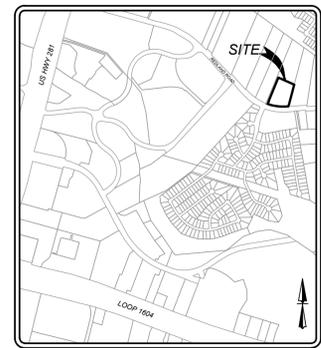
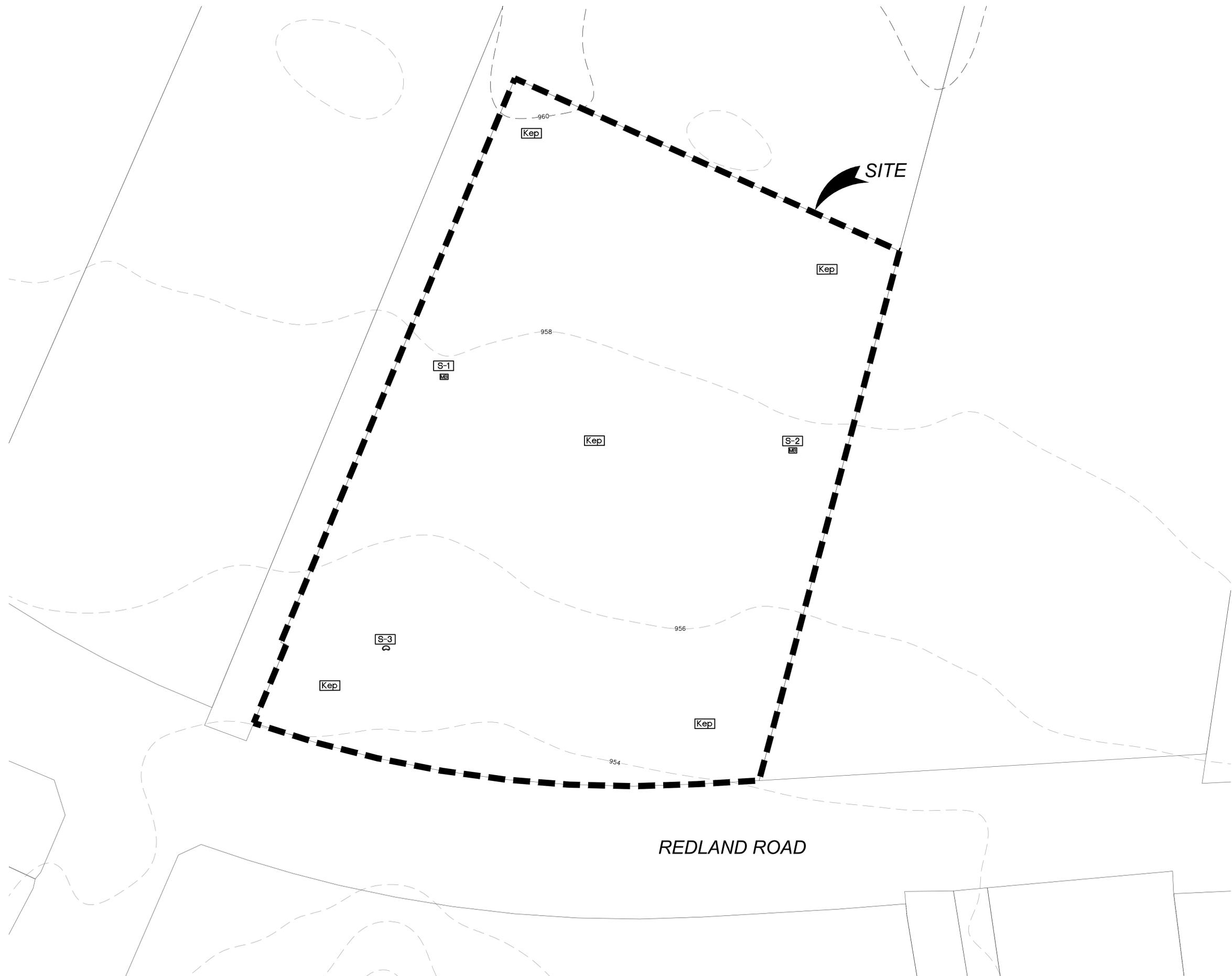
Feature S-2

Feature is a concrete septic tank adjacent to the main structure on the property. The septic system had lid covers in good condition. Therefore, the probability for rapid infiltration is low.

Feature S-3

Feature is a non-karst closed depression which appears to have resulted from previous clearing and grading of the property. Fine infilling and no evidence of karst development was observed. Therefore, the probability for rapid infiltration is low.

Date: Jun 10, 2024, 7:56pm User ID: rpineda
 File: M:\06\06\06\06\Design\Environmental\Geologic Assessment\CAD\cava.dwg

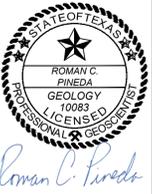


LEGEND	
Oal	ALLUVIUM
Kbu	BUDA LIMESTONE
Kdr	DEL RIO CLAY
Kgt	GEORGETOWN FORMATION
Kep	PERSON FORMATION
Kek	KAINER FORMATION
Kgru	GLEN ROSE FORMATION
S-1	POTENTIAL RECHARGE FEATURE
	DRAINAGE PATHWAY
	CONTACT, LOCATED APPROXIMATELY
	FAULT, LOCATED APPROXIMATELY (D, DOWNTHROWN SIDE; U, UPTHROWN SIDE)
	FAULT EXISTANCE UNCERTAIN
	POSSIBLE FAULT (AS LOCATED BY AERIAL PHOTOGRAPHS)
	STRIKE AND DIP OF BEDDING
	STRIKE AND DIP OF JOINTS
	STRIKE OF VERTICAL JOINTS
	CAVE
	NON-KARST CLOSED DEPRESSION
	SWALLOW HOLE
	SOLUTION CAVITY
	OTHER NATURAL BEDROCK FEATURES: VUGGY ROCK, REEF DEPOSITS
	ZONE
	MAN-MADE FEATURE IN BEDROCK
	WATER WELL
	PROPOSED SANITARY SEWER LINE
	EXISTING SANITARY SEWER LINE
	50' SEWER ENVELOPE
	PROPOSED MANHOLE
	EXISTING MANHOLE

NOTE: THE GEOSCIENTIST SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR PURPOSES OF GEOLOGIC INFORMATION. ALL OTHER INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SIGNED AND SEALED CIVIL ENGINEERING DRAWINGS.

SAN ANTONIO
 3421 Presanos Parkway, 78231
 San Antonio, TX 78244
 COLLIER ENGINEERING & DESIGN, INC.
 TBPB Firm # F-1599 TBPB Firm # 1019450
 www.collierengineering.com

ISSUE DATE
 REVISIONS



**18952 REDLAND RD.,
 BEXAR COUNTY, TEXAS
 SITE GEOLOGIC MAP**

JOB NO. 606-06-01
 DATE: JANUARY 2024
 DRAWN: RCP CHECKED: RCP

ATTACHMENT
D

18952 REDLAND RD.

References

- Arnow, Ted, 1959, Groundwater Geology of Bexar County, Texas: Texas Board of Water Engineers, Bulletin 5911, 62pp., 18 figs.
- Barnes, V.L., 1983, Geologic Atlas of Texas, San Antonio Sheet, Bureau of Economic Geology, The University of Texas at Austin, Texas.
- Collins, E.W., 1993, Geologic Map of the Bulverde Quadrangle, Texas: University of Texas at Austin, Bureau of Economic Geology, Open-File Map STATEMAP Study Area 5, scale 1:24,000.
- Federal Emergency Management Agency (FEMA), September 28, 2010, Bexar County, Texas and Incorporated areas, Flood Insurance Rate Map (FIRM), Panel 48029C0255G, FEMA, Washington, D.C.
- Maclay, R.W., and Small, T.A., 1976, Progress report on the geology of the Edwards Aquifer, San Antonio Area, Texas and Preliminary Interpretation of Borehole Geophysical and Laboratory Data on Carbonate Rocks: U.S. Geol. Survey open file rept., 76-627, 62 pp., 20 figs.
- Rose, P.R., 1972, Edwards Group, Surface and Subsurface, Central Texas: Bur. Econ. Geol., Rep of Invest. 74, 198 pp.
- Stein, W.G., and Ozuna, G.B., 1995, Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas: U.S. Geol. Survey, Water – Resources Investigations 95-4030, 8 pp., 2 figs.
- Texas Natural Resource Conservation Commission, 1999, Edwards Aquifer Recharge Zone Map, Longhorn Quadrangle, TNRCC, San Antonio, Texas.
- United States Department of Agriculture, 1984, Soil Survey of Bexar County, Texas, USDA.
- United States Geologic Survey, 2988, (USGS), Longhorn Quadrangle, USGS, Denver, Colorado.
- Veni, G., 1988, The Caves of Bexar County, Second Edition, The Texas Memorial Museum, University of Texas, Austin, Texas.
- Veni, George, and Associates, 1994, Geologic Controls in Cave Development and the Distribution of Cave Fauna in the San Antonio, Texas, Region: Report for the Texas Parks and Wildlife Department and U.S. Fish and Wildlife Service, 99 pp.

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: BEXAR ENGINEERS & ASSOCIATES

Date: 2/20/2024

Signature of Customer/Agent:



Regulated Entity Name: LILYPAD GARDEN SCHOOL

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): 3.07

3. Estimated projected population: _____

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	14,974	÷ 43,560 =	0.343
Parking	22,615	÷ 43,560 =	0.519
Other paved surfaces	1,225	÷ 43,560 =	0.028
Total Impervious Cover	38,814	÷ 43,560 =	0.89

Total Impervious Cover 0.89 ÷ Total Acreage 3.07 X 100 = 29% 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:

<u> 100 </u> % Domestic	<u> 400 </u> Gallons/day
<u> </u> % Industrial	<u> </u> Gallons/day
<u> </u> % Commingled	<u> </u> Gallons/day
TOTAL gallons/day <u> 400 </u>	

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" = 30'.

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): FEMA FIRM PANEL 48029C0230G Revised September 29, 2010.

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.

TCEQ FORM 0584

ATTACHMENT A – FACTORS AFFECTING SURFACE WATER QUALITY

Potential factors of pollution that could be expected to affect the quality of stormwater discharges from the site during construction:

- Soil erosion due to the clearing of the site.
- Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings.
- Miscellaneous trash and litter from construction personnel and material debris and wrappings.
- Potential overflow/spills from portable toilets.

Potential factors of pollution that could be expected to affect the quality of storm water discharges from the site after development:

- Oil, grease, fuel and hydraulic fluid contamination from vehicle drippings.
- Dirt and break dust which may fall off vehicles
- Miscellaneous trash and litter.

TCEQ FORM 0584

ATTACHMENT B - VOLUME AND CHARACTER OF STORM WATER

Stormwater runoff will not increase as a result of this development for a 25-year storm event, the overall site generates approximately 2.66 cfs. The character of the stormwater runoff can be described as overland flow and concentrated flow from improved areas. The runoff coefficient for the site is 0.77 for a school site and will remain unchanged after development . Values are based on the Rational Method using runoff coefficients per the City of San Antonio Unified Development Code.

LILYPAD GARDEN SCHOOL
WATER POLLUTION ABATEMENT PLAN

TCEQ FORM 0584

ATTACHMENT C – SUITABILITY LETTER FROM AUTHORIZED AGENT



**BEXAR COUNTY
ENVIRONMENTAL SERVICES DEPARTMENT**

1948 Probandt St
San Antonio, TX 78214
(210) 335-6700 (voice)
(210) 335-6713 (fax)

AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY

Permit No. SP-2022-1047

Date: 1/13/2023

Approval Date: 12/6/2022

Property Owner: Hills Subdivision Partnership, Ltd.
Mailing Address: 18952 Redland Rd Ste 2A
Property Location: 18952 Redland Rd Ste 2A
Lot: 2 Block: 17866

Notes:

This serves to notify all persons that the on-site sewage facility application, related technical data and appropriate fee(s) have been submitted by the above and has satisfied the design requirements of the Bexar County regulations for On-Site Sewage Facilities and 30 TAC Chapter 285. Approval is hereby granted for the construction as shown on the submitted plans. Any modifications to the design, structure, system components or changes of ownership may require a design revision and invalidate this approval. The owner must notify this office of any aforementioned changes.

You or your installer must contact Bexar County Environmental Services to arrange the required inspection(s) prior to completion. This is not a license to operate the on-site sewage facility. A license to operate the facility shall only be granted following a successful installation and inspection(s) of the system, indicating compliance with the regulations.

Approval of this authorization to construct will expire in one (1) year of the date received and is subject to the following restrictions: This does not apply when the septic system needs to be constructed as soon as possible, but within 30 days of the approval date.

Designated Representative
Bexar County Environmental
Services Department

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: BEXAR ENGINEERS & ASSOCIATES

Date: 3/21/2024

Signature of Customer/Agent:



Regulated Entity Name: LILYPAD GARDEN SCHOOL

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: Mud Creek Upper

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.

TCEQ FORM 0602

ATTACHMENT A – SPILL RESPONSE ACTIONS

SPILL RESPONSE ACTIONS:

ACCIDENTAL LEAK OR SPILL:

Contractor shall take action to contain spill. Contractor may use sand or other absorbent material readily available on site to absorb spill. Absorbent material should be spread over the area of spill to absorb the spilled product.

In the event of an uncontained discharge the contractor shall utilize onsite equipment to construct berms downgradient of the spill with sand or other absorbent material to contain and absorb the spilled product.

Sand or material used to contain the spill should be collected and stored in such a way so as not to continue to affect additional ground. Once the spill has been contained, collected material should be placed on poly or plastic sheeting until removed from the site. In the event of potential rainfall the material should be covered with poly or plastic sheeting to prevent contaminating runoff.

The contractor will be required to notify owner, who shall contact TCEQ to notify them in the event of a spill. Additional notifications as required by the type and amount of spill will be conducted by owner or owner's representative.

SIGNIFICANT OR HAZARDOUS SPILL:

The contractor will be required to report significant or hazardous spills in reportable quantities to:

National Response Center (800) 424-8802

Edwards Aquifer Authority (210) 222-2204

TCEQ Regional Office (210) 490-3096 (Monday thru Friday 8am to 5pm)

State Emergency Response Center (800) 832-8224 (after hours)

Contaminated soils will be sampled for waste characterization. When the analysis results are known the contaminated soils will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations.

For additional information Contractor shall review: TCEQ Technical Guidance Manual (TGM) RG-348 (2005) Section 1.4.16.

TCEQ FORM 0602

ATTACHMENT B- POTENTIAL SOURCES OF CONTAMINATION

Asphalt products used on this project. Precautionary measure: The contractor will be instructed not to place asphalt products on the ground within 48 hours of a forecasted rain. In the event of unexpected rain after placement of asphalt, emulsion or coatings, the contractor will be responsible for immediate cleanup. For the extent of time of asphalt product curing, the contractor will have standby personnel and equipment to contain any asphalt wash-off in the event of unexpected rain.

Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings. Precautionary measure: Vehicle maintenance when possible will be performed within the construction staging area. Construction vehicles and equipment shall be checked regularly for leaks and repaired immediately.

Accidental leaks or spills of oil, petroleum products and substances listed under 40 CFR parts 110, 117, and 302 used or stored temporarily on site. Precautionary measure: Contractor to incorporate into regular safety meeting, a discussion of spill prevention and appropriate disposal procedures. Contractor shall enforce proper spill prevention and control measures. Hazardous materials and wastes shall be stored in covered containers and protected from vandalism. A stockpile of spill cleanup materials shall be stored on site where it will be readily accessible.

Miscellaneous trash and litter from construction workers and material wrappings. Precautionary measure: Trash containers will be placed throughout the site for proper trash disposal.

Construction debris. Precautionary measure: Construction debris will be monitored on a daily basis by contractor. Debris will be collected weekly and placed in disposal bins. Situations requiring immediate attention will be addressed on a case by case basis.

Spills/Overflow of waste from portable toilets. Precautionary measure: Portable toilets will be placed away from high traffic areas, storm drain inlets and will be placed on a level ground. Portable toilets will be inspected regularly for signs of leaks and will be serviced and sanitized at time intervals that will maintain sanitary conditions.

Sewage Spill due to connection of proposed sanitary sewer to existing sanitary sewer. Precautionary measure: During the connection of the sewer lateral to the existing sanitary sewer manhole, the contractor shall carefully and deliberately connect while maintaining every effort to prevent a sanitary sewer spill. The contractor shall ensure a watertight connection.

TCEQ FORM 0602
ATTACHMENT C- SEQUENCE OF MAJOR ACTIVITIES

The sequence of major activities that disturb soil during construction will be divided into two stages. The first is site preparation that will include clearing and grubbing of vegetation where applicable. The second is construction that will include construction of interceptor swale and buildings. It is anticipated that all area within the project limits may be disturbed, approximately 0.65 acres.

Every effort shall be made to provide clean and clear access from public rights-of-way to the site. Precaution shall also be taken to minimize the amount of sedimentation build-up at the temporary BMPs and drainage structures. All construction activities shall be concluded with site cleanup and removal of excess materials.

TCEQ FORM 0602

ATTACHMENT D - TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES

The following is a description of Temporary BMP's: Please see Exhibit (C4.00) for layout.

Stormwater flow originating upgradient of the site will be allowed to flow across the project and treated in the same manner as runoff that originated on-site. The existing road improvements prevent any upgradient flow from entering the project site pre post site improvements.

Site preparation will disturb the largest amount of soil. Therefore, before any of this work can begin, the clearing and grading contractor will be responsible for the installation of all on-site control measures. The methodology for pollution prevention of on-site stormwater will include: First, erection of silt fences along the downgradient boundary of construction activities for temporary erosion and sedimentation controls. Second, Installation of a stabilized construction entrance/exit to reduce the dispersion of sediment from the site. Third installation of construction staging area.

Prior to construction, all previously installed control measures will be repaired or reestablished for their designed or intended purpose. This work, which is the remainder of all activity on the project, may also disturb additional soil. The construction contractor will be responsible for the installation of all remaining on-site control measures, as construction phasing warrants.

The intent of temporary measures is to provide a method of reducing velocity of flow runoff from the construction site to allow sediment and suspended solids to settle out of the runoff, while allowing filtered flow to continue downgradient. Detaining sediment and solids on-site, will prevent pollutants from entering surface streams, sensitive features downstream or the aquifer.

No naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer were identified in the geologic assessment of the site. Features discovered during construction will be reported and assessed in accordance with applicable regulations.

**TCEQ FORM 0602
ATTACHMENT F – STRUCTURAL PRACTICES**

For site preparation: Erection of silt fences along the downgradient boundary of construction activities for temporary erosion and sedimentation controls. Installation of a stabilized construction entrance/exit to reduce the dispersion of sediment from the site. Third installation of construction staging area.

For construction activities: Installation of concrete truck washout pit (See Exhibit 1 C5.00).

TCEQ FORM 0602

ATTACHMENT J - SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES

Interim on-site stabilization measures are continuous and include minimizing of soil disturbances by exposing the smallest practical area of land required for the shortest period of time and maximizing use of natural vegetation. As soon as practical, all disturbed soil will be stabilized as per project specifications in accordance with pages 1-35 to 1-60 of TCEQ's Technical Guidance Manual (TGM) RG-348 (2005). Mulching, netting, erosion blankets and seeding are acceptable.

Stabilization measures will be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased and except as provided below, will be initiated no more than fourteen (14) days after the construction activity in that portion of the site has temporarily or permanently ceased. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will resume within twenty (21) days, temporary stabilization measures do not have to be initiated on that portion of the site. In areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonably arid conditions, stabilization measures must be initiated as soon as practicable.

TCEQ FORM 0602

ATTACHMENT I – INSPECTIONS AND MAINTENANCE FOR BMPs Pg. 1 of 3

Designated and qualified personnel shall inspect Pollution Control Measures weekly and within 24 hours after a storm event. An inspection report that summarizes the scope of the inspection, names and qualifications of personnel conducting the inspection, date of the inspection major observations, and actions taken as a result of the inspection shall be recorded and maintained as part of the Storm Water TPDES data for a period of three years after the Notice of Termination (NOT) has been filed. A copy of the Inspection Report Form is provided in this Storm Water Pollution Prevention Plan.

As a minimum, the inspector shall observe:

- Significant disturbed areas for evidence of erosion
- Storage areas for evidence of leakage from the exposed stored materials
- Structural controls (rock berm outlets, silt fences, drainage swales, etc.) for evidence of failure or excess siltation (over 6 inches in depth)
- Vehicle exit point for evidence of off-site sediment tracking
- Vehicle storage areas for signs of leaking equipment or spills
- Concrete truck rinse-out pit for signs of potential failure
- Embankment, spillways and outlet of sediment (where applicable) for erosion damage

Contractor to refer to Section 1.3 and 1.4 of TCEQ's Technical Guidance Manual for additional BMP inspection and maintenance requirements.

TCEQ FORM 0602 - ATTACHMENT I

Pollution Prevention Measure	Compliant Yes / No	Corrective Action Required (use additional sheets as needed)	Date Completed
BEST MANAGEMENT PRACTICES			
Natural vegetation buffer strips			
Temporary vegetation			
Permanent vegetation			
Silt fences			
Rock berms			
Gravel filter bags			
Drain inlet protection			
Other structural controls			
Vehicle exits (off-site tracking)			
Material storage areas (leakage)			
Equipment areas (leaks, spills)			
Concrete washout pit (leaks, failure)			
General site cleanliness			
Trash containers			
EVIDENCE OF EROSION			
Site Preparation			
Interceptor swale construction			
Parking lot construction			
Utility construction			
Drainage construction			
Building construction			
MAJOR OBSERVATIONS			
Sediment discharges from site			
BMPs requiring maintenance			
BMPs requiring modification			
Additional BMPs required			

_____ **A brief statement describing the qualifications of the inspector is included in this SWP3**

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

"I further certify I am an authorized signatory in accordance with the provisions of 30 TAC §305.128."

 Inspector Name

 Inspector Signature

 Date

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: BEXAR ENGINEERS & ASSOCIATES

Date: 3/21/2024

Signature of Customer/Agent



Regulated Entity Name: LILYPAD GARDEN SCHOOL

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

TCEQ FORM 0600
ATTACHMENT B - BMP's FOR UPGRADIENT STORMWATER

An existing and to remain roadway along the western property line and an existing and to remain parking lot on the northern property line intercepts upgradient flows from entering site.

**TCEQ FORM 0600
ATTACHMENT C - BMP'S FOR ONSITE STORMWATER**

A Retention/Irrigation system sized to capture the first ½ -inch of storm water runoff from the rooftops will serve as the permanent BMP for the proposed portables. This Permanent BMP has been designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348(2005) to remove 100% of the increase in the Total Suspended Solids (TSS) from the site.

A Vegetative Filter Strip sized to capture the first ½ -inch of storm water runoff will serve as the permanent BMP for the parking lot on the site. This Permanent BMP has been designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348(2005) to remove 85% of the increase in the Total Suspended Solids (TSS) from the site.

See attached TSS Removal Calculations spreadsheet.

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009



Additional information is provided for cells with a red triangle in the upper right corner
 Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG
 Characters shown in red are data entry fields.

Characters shown in black (Bold) are calculated fields. Changes to these fields will

1. The Required Load Reduction for the total project: Calculations from RG-348

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where: $L_{M \text{ TOTAL PROJECT}}$ = Required TSS removal result
 A_N = Net increase in impervious area
 P = Average annual precipitation

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Bexar	
Total project area included in plan * =	3.07	acres
Predevelopment impervious area within the limits of the plan * =	0.52	acres
Total post-development impervious area within the limits of the plan * =	0.93	acres
Total post-development impervious cover fraction * =	0.30	
P =	30	inches

$L_{M \text{ TOTAL PROJECT}} = 341$ lbs.

* The values entered in these fields should be for the total project area.

Number of drainage basins / outfalls areas leaving the plan area = **3**

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. =	A1	
Total drainage basin/outfall area =	1.62	acres
Predevelopment impervious area within drainage basin/outfall area =	0.02	acres
Post-development impervious area within drainage basin/outfall area =	0.24	acres
Post-development impervious fraction within drainage basin/outfall area =	0.15	
$L_{M \text{ THIS BASIN}} =$	180	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Vegetated Filter Strips**
 Removal efficiency = **85** percent

4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A_I \times C)$

where:

A_C = Total On-Site drainage area
A_I = Impervious area proposed in
A_P = Pervious area remaining in th
L_R = TSS Load removed from this

A_C = **1.62** acres
A_I = **0.24** acres
A_P = **1.38** acres
L_R = **231** lbs

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

Desired L_{M THIS BASIN} = **231** lbs.
F = **1.00**

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.

Rainfall Depth = **4.00** inches
Post Development Runoff Coefficient = **0.16**
On-site Water Quality Volume = **3871** cubic feet

Calculations from RG-348

Off-site area draining to BMP = **0.00** acres
Off-site Impervious cover draining to BMP = **0.00** acres
Impervious fraction of off-site area = **0**
Off-site Runoff Coefficient = **0.00**
Off-site Water Quality Volume = **0** cubic feet

Storage for Sediment = 774
Total Capture Volume (required water quality volume(s) x 1.20) = 4646 cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP
The values for BMP Types not selected in cell C45 will show NA.

7. Retention/Irrigation System Designed as Required in RG

Required Water Quality Volume for retention basin = NA cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate = 0.1 in/hr
Irrigation area = NA square feet
NA acres

8. Extended Detention Basin System Designed as Required in RG

Required Water Quality Volume for extended detention basin = NA cubic feet

9. Filter area for Sand Filters Designed as Required in RG

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin = NA cubic feet

Minimum filter basin area = NA square feet

Maximum sedimentation basin area = NA square feet

Minimum sedimentation basin area = NA square feet

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins = NA cubic feet

Minimum filter basin area = NA square feet

Maximum sedimentation basin area = NA square feet

Minimum sedimentation basin area = NA square feet

10. Bioretention System Designed as Required in RG

Required Water Quality Volume for Bioretention Basin = NA cubic feet

11. Wet Basins Designed as Required in RG

Required capacity of Permanent Pool = NA cubic feet

Required capacity at WQV Elevation = NA cubic feet

12. Constructed Wetlands

Designed as Required in RG

Required Water Quality Volume for Constructed Wetlands = **NA** cubic feet

13. AquaLogic™ Cartridge System

Designed as Required in RG

**** 2005 Technical Guidance Manual (RG-348) does not exempt the required 20% increase with mainten**

Required Sedimentation chamber capacity = **NA** cubic feet
Filter canisters (FCs) to treat WQV = **NA** cartridges
Filter basin area (RIA_F) = **NA** square feet

14. Stormwater Management StormFilter® by CONTECH

Required Water Quality Volume for Contech StormFilter System = **NA** cubic feet

THE SIZING REQUIREMENTS FOR THE FOLLOWING BMPs / LOAD REMOVALS ARE BASED UPON FL

15. Grassy Swales

Designed as Required in RG

Design parameters for the swale:

Drainage Area to be Treated by the Swale = A = **8.00** acres
Impervious Cover in Drainage Area = **4.00** acres
Rainfall intensity = i = **1.1** in/hr
Swale Slope = **0.01** ft/ft
Side Slope (z) = **3**
Design Water Depth = y = **0.33** ft
Weighted Runoff Coefficient = C = **0.54**

A_{CS} = cross-sectional area of flow in Swale = **13.17** sf
P_W = Wetted Perimeter = **40.62** feet
R_H = hydraulic radius of flow cross-section = A_{CS}/P_W = **0.32** feet
n = Manning's roughness coefficient = **0.2**

15A. Using the Method Described in the RG-348

Manning's Equation: $Q = \frac{1.49}{n} A_{CS} R_H^{2/3} S^{0.5}$

$b = \frac{0.134 \times Q}{z \cdot y} = 38.51$ feet

$$y^{1.67} S^{0.5}$$

$$Q = CiA = 4.71 \text{ cfs}$$

To calculate the flow velocity in the swale:

$$V \text{ (Velocity of Flow in the swale)} = Q/A_{CS} = 0.36 \text{ ft/sec}$$

To calculate the resulting swale length:

$$L = \text{Minimum Swale Length} = V \text{ (ft/sec)} * 300 \text{ (sec)} = 107.24 \text{ feet}$$

If any of the resulting values do not meet the design requirement set forth in RG-348, the des

15B. Alternative Method using Excel Solver

$$\text{Design } Q = CiA = 4.71 \text{ cfs}$$

$$\begin{aligned} \text{Manning's Equation } Q &= 0.76 \text{ cfs} \\ \text{Swale Width} &= 6.00 \text{ ft} \end{aligned}$$

Instructions are provided to the right (green comments).

$$\begin{aligned} \text{Flow Velocity} &= 0.36 \text{ ft/s} \\ \text{Minimum Length} &= 107.24 \text{ ft} \end{aligned}$$

Instructions are provided to the right (blue comments).

$$\begin{aligned} \text{Design Width} &= 6 \text{ ft} \\ \text{Design Discharge} &= 0.76 \text{ cfs} \\ \text{Design Depth} &= 0.33 \text{ ft} \\ \text{Flow Velocity} &= 0.32 \text{ cfs} \\ \text{Minimum Length} &= 97.48 \text{ ft} \end{aligned}$$

If any of the resulting values do not meet the design requirement set forth in RG-348, the design paran

If any of the resulting values still do not meet the design requirement set forth in RG-348, widening the

16. Vegetated Filter Strips

Designed as Required in RG

There are no calculations required for determining the load or size of vegetative filter strips.

The 80% removal is provided when the contributing drainage area does not exceed 72 feet (direction c the sheet flow leaving the impervious cover is directed across 15 feet of engineered filter strips with n across 50 feet of natural vegetation with a maximum slope of 10%. There can be a break in grade as k

If vegetative filter strips are proposed for an interim permanent BMP, they may be sized as described c

17. Wet Vaults

Designed as Required in RG

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009



Additional information is provided for cells with a red triangle in the upper right corner
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG
Characters shown in red are data entry fields.

Characters shown in black (Bold) are calculated fields. Changes to these fields will

1. The Required Load Reduction for the total project:

Calculations from RG-348

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:

$L_{M \text{ TOTAL PROJECT}}$ = Required TSS removal result
 A_N = Net increase in impervious area
 P = Average annual precipitation

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Bexar	
Total project area included in plan *	3.07	acres
Predevelopment impervious area within the limits of the plan *	0.52	acres
Total post-development impervious area within the limits of the plan *	0.93	acres
Total post-development impervious cover fraction *	0.30	
P =	30	inches

$L_{M \text{ TOTAL PROJECT}} = 341$ lbs.

* The values entered in these fields should be for the total project area.

Number of drainage basins / outfalls areas leaving the plan area = **3**

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. =	A2	
Total drainage basin/outfall area =	0.69	acres
Predevelopment impervious area within drainage basin/outfall area =	0.40	acres
Post-development impervious area within drainage basin/outfall area =	0.40	acres
Post-development impervious fraction within drainage basin/outfall area =	0.58	
$L_{M \text{ THIS BASIN}} =$	0	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = **Vegetated Filter Strips**
Removal efficiency = **85** percent

4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A_I \times C)$

where:

A_C = Total On-Site drainage area
 A_I = Impervious area proposed in
 A_P = Pervious area remaining in th
 L_R = TSS Load removed from this

A_C = **0.69** acres
 A_I = **0.40** acres
 A_P = **0.29** acres
 L_R = **357** lbs

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

Desired $L_{M \text{ THIS BASIN}}$ = **357** lbs.
 F = **1.00**

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.

Rainfall Depth = **4.00** inches
Post Development Runoff Coefficient = **0.40**
On-site Water Quality Volume = **4069** cubic feet

Calculations from RG-348

Off-site area draining to BMP = **0.00** acres
Off-site Impervious cover draining to BMP = **0.00** acres
Impervious fraction of off-site area = **0**
Off-site Runoff Coefficient = **0.00**
Off-site Water Quality Volume = **0** cubic feet

Storage for Sediment = **814**
Total Capture Volume (required water quality volume(s) x 1.20) = **4883** cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP
The values for BMP Types not selected in cell C45 will show NA.

7. Retention/Irrigation System Designed as Required in RG

Required Water Quality Volume for retention basin = **NA** cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate = **0.1** in/hr
Irrigation area = **NA** square feet
NA acres

8. Extended Detention Basin System Designed as Required in RG

Required Water Quality Volume for extended detention basin = **NA** cubic feet

9. Filter area for Sand Filters Designed as Required in RG

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin = **NA** cubic feet
Minimum filter basin area = **NA** square feet
Maximum sedimentation basin area = **NA** square feet
Minimum sedimentation basin area = **NA** square feet

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins = **NA** cubic feet
Minimum filter basin area = **NA** square feet
Maximum sedimentation basin area = **NA** square feet
Minimum sedimentation basin area = **NA** square feet

10. Bioretention System Designed as Required in RG

Required Water Quality Volume for Bioretention Basin = **NA** cubic feet

11. Wet Basins Designed as Required in RG

Required capacity of Permanent Pool = **NA** cubic feet
Required capacity at WQV Elevation = **NA** cubic feet

12. Constructed Wetlands

Designed as Required in RG

Required Water Quality Volume for Constructed Wetlands = **NA** cubic feet

13. AquaLogic™ Cartridge System

Designed as Required in RG

**** 2005 Technical Guidance Manual (RG-348) does not exempt the required 20% increase with mainten**

Required Sedimentation chamber capacity = **NA** cubic feet
Filter canisters (FCs) to treat WQV = **NA** cartridges
Filter basin area (RIA_F) = **NA** square feet

14. Stormwater Management StormFilter® by CONTECH

Required Water Quality Volume for Contech StormFilter System = **NA** cubic feet

THE SIZING REQUIREMENTS FOR THE FOLLOWING BMPs / LOAD REMOVALS ARE BASED UPON FL

15. Grassy Swales

Designed as Required in RG

Design parameters for the swale:

Drainage Area to be Treated by the Swale = A = 8.00 acres
Impervious Cover in Drainage Area = 4.00 acres
Rainfall intensity = i = 1.1 in/hr
Swale Slope = 0.01 ft/ft
Side Slope (z) = 3
Design Water Depth = y = 0.33 ft
Weighted Runoff Coefficient = C = 0.54

A_{CS} = cross-sectional area of flow in Swale = 13.17 sf
P_W = Wetted Perimeter = 40.62 feet
R_H = hydraulic radius of flow cross-section = A_{CS}/P_W = 0.32 feet
n = Manning's roughness coefficient = 0.2

15A. Using the Method Described in the RG-348

Manning's Equation: $Q = \frac{1.49}{n} A_{CS} R_H^{2/3} S^{0.5}$

$b = \frac{0.134 \times Q}{z \cdot y} = 38.51 \text{ feet}$

$$y^{1.67} S^{0.5}$$

$$Q = CiA = 4.71 \text{ cfs}$$

To calculate the flow velocity in the swale:

$$V \text{ (Velocity of Flow in the swale)} = Q/A_{CS} = 0.36 \text{ ft/sec}$$

To calculate the resulting swale length:

$$L = \text{Minimum Swale Length} = V \text{ (ft/sec)} * 300 \text{ (sec)} = 107.24 \text{ feet}$$

If any of the resulting values do not meet the design requirement set forth in RG-348, the des

15B. Alternative Method using Excel Solver

$$\text{Design } Q = CiA = 4.71 \text{ cfs}$$

$$\begin{aligned} \text{Manning's Equation } Q &= 0.76 \text{ cfs} \\ \text{Swale Width} &= 6.00 \text{ ft} \end{aligned}$$

Instructions are provided to the right (green comments).

$$\begin{aligned} \text{Flow Velocity} &= 0.36 \text{ ft/s} \\ \text{Minimum Length} &= 107.24 \text{ ft} \end{aligned}$$

Instructions are provided to the right (blue comments).

$$\begin{aligned} \text{Design Width} &= 6 \text{ ft} \\ \text{Design Discharge} &= 0.76 \text{ cfs} \\ \text{Design Depth} &= 0.33 \text{ ft} \\ \text{Flow Velocity} &= 0.32 \text{ cfs} \\ \text{Minimum Length} &= 97.48 \text{ ft} \end{aligned}$$

If any of the resulting values do not meet the design requirement set forth in RG-348, the design paran

If any of the resulting values still do not meet the design requirement set forth in RG-348, widening the

16. Vegetated Filter Strips

Designed as Required in RG

There are no calculations required for determining the load or size of vegetative filter strips.

The 80% removal is provided when the contributing drainage area does not exceed 72 feet (direction c the sheet flow leaving the impervious cover is directed across 15 feet of engineered filter strips with n across 50 feet of natural vegetation with a maximum slope of 10%. There can be a break in grade as k

If vegetative filter strips are proposed for an interim permanent BMP, they may be sized as described c

17. Wet Vaults

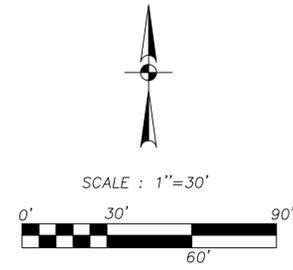
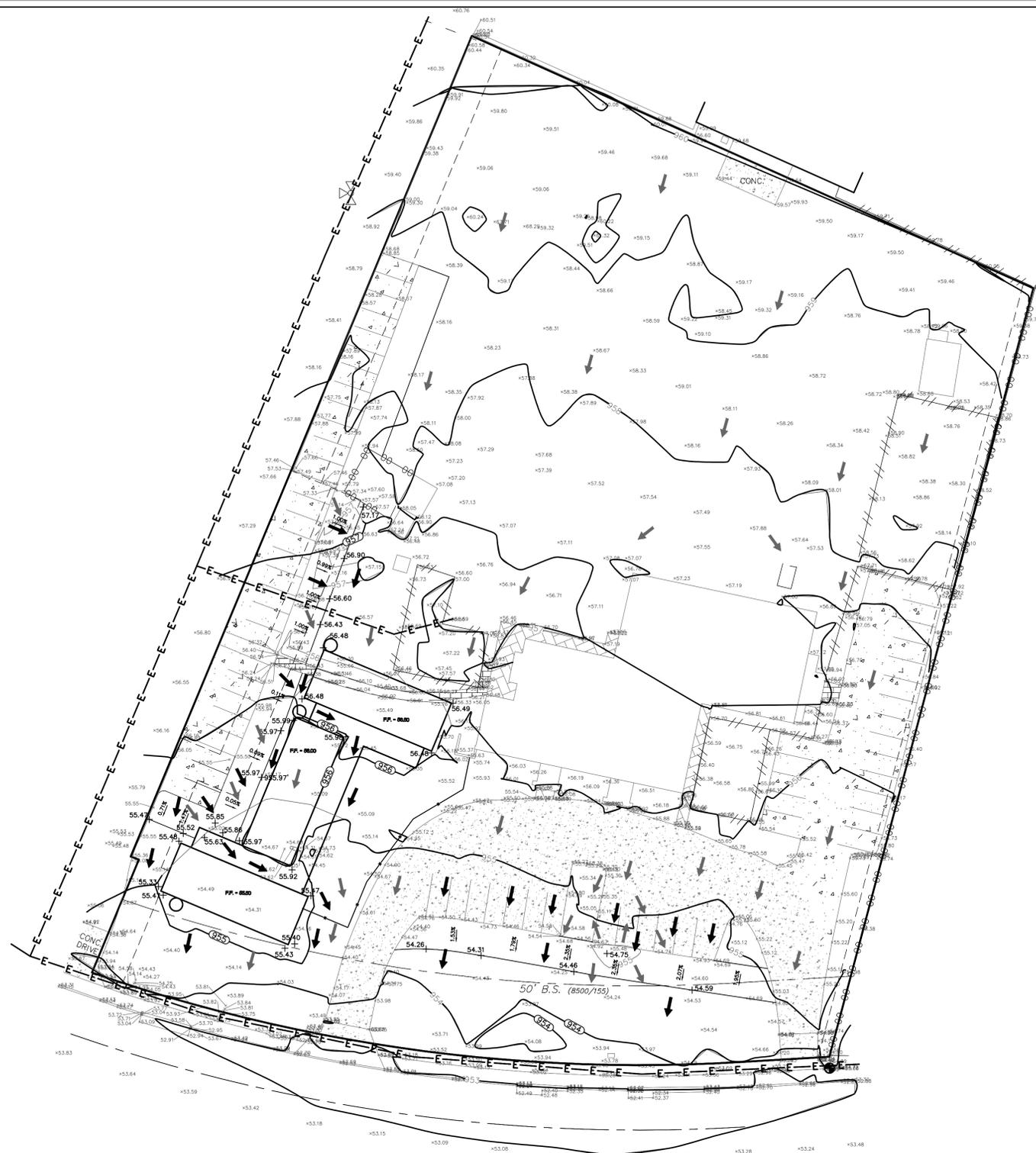
Designed as Required in RG

TCEQ FORM 0600
ATTACHMENT D - BMP'S FOR SURFACE STREAMS

A Vegetative Filter Strip sized to capture the first ½ -inch of storm water runoff will serve as the permanent BMP for the parking lot on the site. This Permanent BMP has been designed in accordance with the TCEQ's Technical Guidance Manual (TGM) RG-348(2005) to remove 85% of the increase in the Total Suspended Solids (TSS) from the site.

**LILYPAD GARDEN SCHOOL
WATER POLLUTION ABATEMENT PLAN**

**TCEQ FORM 0600
ATTACHMENT F – CONSTRUCTION PLANS**



LOCATION MAP
 NOT TO SCALE

LEGEND

---	PROJECT LIMITS
x 700	EXISTING SPOT ELEVATION
+ 700G	PROPOSED TOP OF GUTTER
+ 700TW	PROPOSED TOP OF WALL
+ 700	PROPOSED SPOT ELEVATION
+ 700TC	PROPOSED TOP OF CURB ELEVATION
700	EXISTING CONTOUR
(780)	PROPOSED CONTOUR
---	DRAINAGE SWALE
---	PROPERTY LINE
---	PROPOSED HIGH POINT
→	PROPOSED DRAINAGE FLOW ARROW
→	EXISTING DRAINAGE FLOW ARROW
□	PROPOSED DRIVEWAY
---	PROPOSED CURB
---	SAWTOOTH CURB
---	EXISTING CURB TO REMAIN

GRADING AND DRAINAGE GENERAL NOTES

- ALL GRADES AND CONTOURS SHOWN ARE FINAL, TOP OF FINISHED SURFACE ELEVATIONS.
- POSITIVE DRAINAGE SHALL BE MAINTAINED ON ALL SURFACE AREAS WITHIN THE SCOPE OF THIS PROJECT. DRAINAGE SHALL BE DIRECTED AWAY FROM ALL BUILDING FOUNDATIONS. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW PONDING OF WATER AND NOT TO BLOCK DRAINAGE FLOW FOR ADJACENT PROPERTY.
- NO ABRUPT CHANGE OF GRADE SHALL OCCUR.
- ALL DISTURBED AREAS SHALL BE REVEGETATED, BY THE CONTRACTOR, IN ACCORDANCE WITH PROJECT SPECIFICATIONS, AND LANDSCAPING PLANS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY SIZE, GRADE, AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.
- ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT WHERE NOT SPECIFICALLY COVERED IN THE PROJECT SPECIFICATIONS SHALL CONFORM TO ALL APPLICABLE CITY OF SAN ANTONIO SPECIFICATIONS FOR CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL, OR BETTER, CONDITION TO ANY DAMAGES DONE TO EXISTING UTILITIES, FENCES, PAVEMENT, CURBS, OR DRIVEWAYS (NO SEPARATE PAY ITEM).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL NECESSARY UTILITY COMPANIES FOR PROVIDING TEMPORARY UTILITY SERVICES DURING CONSTRUCTION.
- CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS, AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
- ALL EXCAVATION IS UNCLASSIFIED.
- PROPOSED SPOT ELEVATIONS ARE BASED OFF DATUM OF ELEVATION 800'.

NOTE: CONTRACTOR TO REFER TO GEOTECHNICAL REPORT FOR PAVEMENT TYPES AND SECTIONS.

ADDRESS

18952 REDLAND RD
 SAN ANTONIO, TEXAS 78259
 ZONING: C-3NA

SITE INFORMATION

PARKING INFORMATION:	
BUILDING USE =	SCHOOL
BUILDING AREA =	± 15,258 S.F.
BICYCLE PARKING SPACES =	0
PARKING SPACES =	44
HANDICAP PARKING SPACES =	2
TOTAL SPACES =	46
TOTAL REQUIRED MIN. SPACES:	19
REQUIRED MAX SPACES:	ACCORDING TO USE

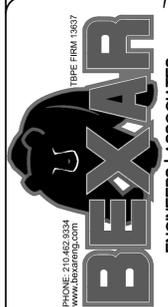
- BENCHMARK #1:
 SCRIBED 'X' SET IN CONCRETE
 (GPS TRAV) ELEV. = 953.43'
- BENCHMARK #2:
 SCRIBED 'X' SET IN CONCRETE
 WALL (GPS TRAV) ELEV. = 954.63'

GRADING & DRAINAGE PLAN

LILYPAD GARDEN SCHOOL
 NEW BUILDING
 18952 REDLAND RD
 SAN ANTONIO, TEXAS 78259

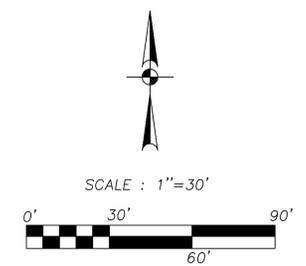
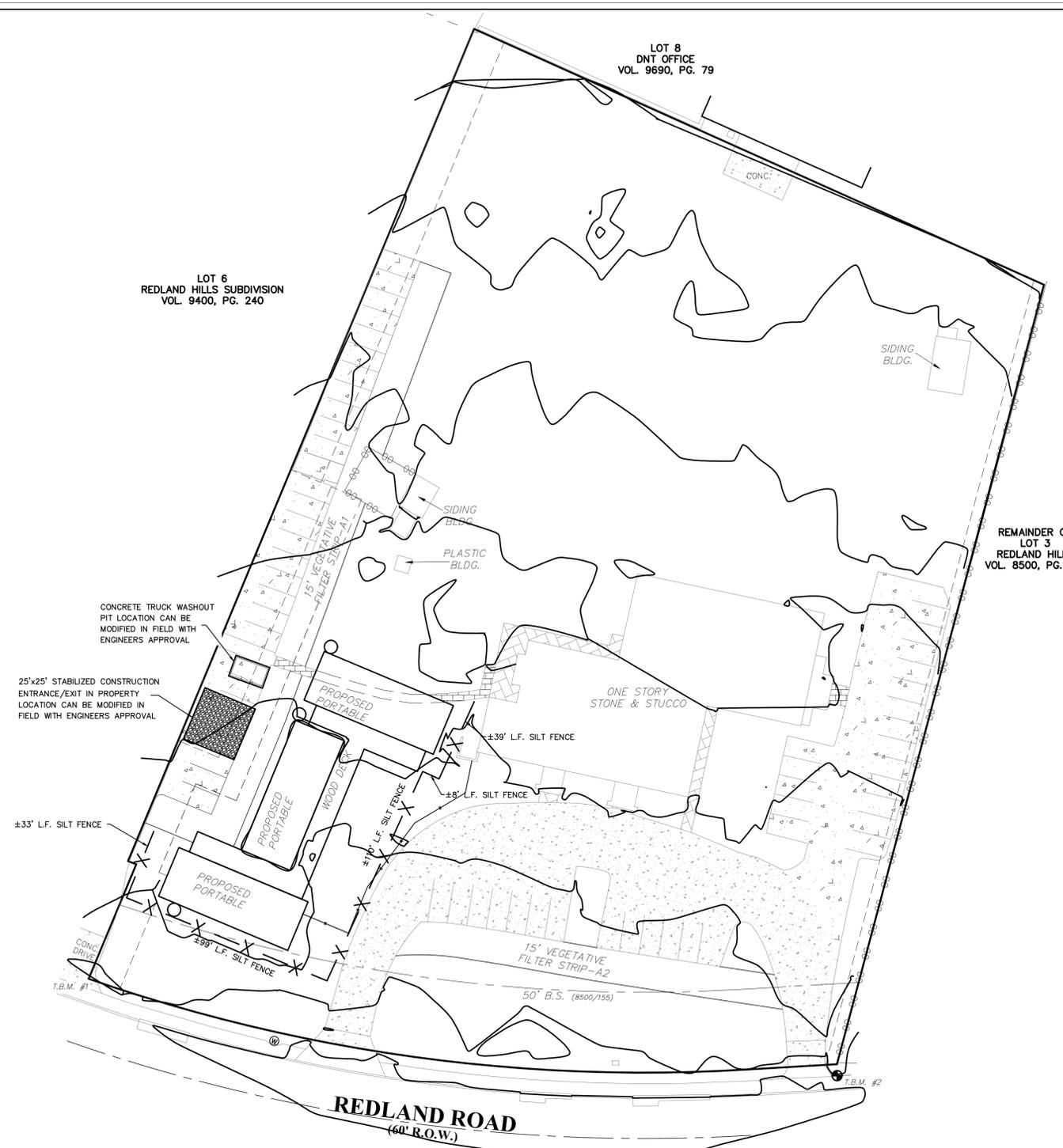
DESIGN	RJL
DRAWN	ELB
CHECKED	DA
DATE	03/22/24
JOB NO.	2301570
SHEET	

C2.00



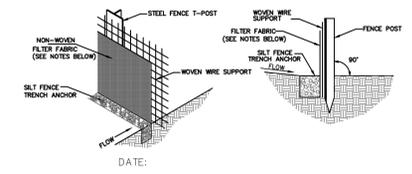
REVISIONS:	DESCRIPTION
NO.	DATE

Date: Mar 25, 2024, 11:37am User ID: lrlhoo
 File: \\V2015170-LILY PAD SCHOOL ADDITION\Civil\CA-0-SWPPP.dwg



LEGEND

- ROCK BERM
- SILT FENCE
- CURB INLET GRAVEL FILTER
- STABILIZED CONSTRUCTION ENTRANCE/EXIT



- GENERAL NOTES:**
- The maximum height of the filter fabric should range between 18 and 36 inches above the ground surface (depending on the amount of upslope ponding expected).
 - Posts should be spaced 8 to 10 feet apart when a woven wire support fence is used and not more than 6 feet apart when extra strength filter fabric (without a woven wire support fence) is used. The posts should be embedded a minimum of 18 inches.
 - A trench should be excavated 4 to 8 inches wide and 4 to 12 inches deep along the upslope side of the line of posts.
 - If standard strength filter fabric is to be used, the optional woven wire support fence should be fastened to the upslope side of the posts. Extend the woven wire support to the bottom of the trench. The filter fabric should be fastened using 4 evenly spaced staples or T-clips to the woven wire support fence, and 8 to 20 inches of the fabric should extend into the trench.
 - Extra strength filter fabric does not require a woven wire support fence. Fastened the filter fabric directly to the posts and extend 8 to 20 inches of the fabric into the trench.
 - Where joints in the filter fabric are required, the filter fabric should be applied together only at a support post, with a minimum 6-inch overlap and securely sealed.
 - Do not attach filter fabric to trees.
 - Backfill the anchor trench with composted soil or 0.75 inch minimum diameter gravel placed over the filter fabric.
 - Remove silt fence when the construction site is completely stabilized.
 - Inspect silt fences daily during periods of prolonged rainfall, immediately after each rainfall event, and weekly during periods of no rainfall. Make any required repairs immediately.
 - Sediment must be removed when it reaches a depth of 6". Take care to avoid damaging the fence during cleanup.
 - Silt fences should not be removed until the upslope area has been permanently stabilized. Contaminated sediment deposits must be removed and disposed of off-site in accordance with applicable regulations. Uncontaminated sediment deposits remaining in place after the silt fence has been removed should be dressed to conform with the existing grade, and stabilized.
 - Place silt fence along a line of uniform elevation, perpendicular to the direction of flow.

- MATERIALS:**
- Fence posts may be either 4" min. steel or wood posts spaced at 6" to 8". Softwood shall be 3" min. dia. or nominal 2" x 4". Hard wood posts shall have a min. cross section 1.5" x 1.5".
 - Synthetic filter fabric should be a previous sheet of polypropylene, nylon, polyester, or polyethylene yarn conforming to the requirements below:

SYNTHETIC FILTER FABRIC REQUIREMENTS	
Physical Property	Requirements
Minimum Weight	3.5 ounces per square yard (ASTM 3776-84)
Min. Mullen Burst Strength	220 lbs. (ASTM 3786-84)
Minimum Flow Through Rate	100 gpm/30" of frontal area (ASTM 4461-85)

- Burial of 10 ounces per square yard of fabric can also be used.
 - The filter fabric should be purchased in continuous rolls to minimize joints.
- MAINTENANCE:**
- Inspect regularly and after every storm. Make any repairs necessary to ensure the measure is in good working order.
 - Sediment should be removed and the structure restored to its original dimensions when sediment has accumulated to a depth of 6".
 - Clean or remove and replace the stone filter or filter fabric if they become clogged.
 - Inlet protection should remain in place and operational until the drainage area is stabilized.

ADDRESS
 18952 REDLAND RD
 SAN ANTONIO, TEXAS 78259
 ZONING: C-3NA

SITE INFORMATION

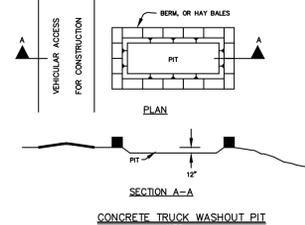
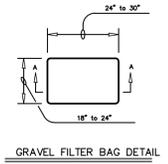
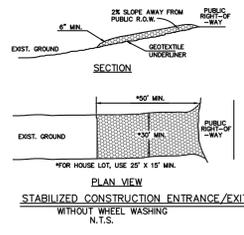
PARKING INFORMATION:	
BUILDING USE =	SCHOOL
BUILDING AREA =	± 15,258 S.F.
BICYCLE PARKING SPACES =	
PARKING SPACES =	44
HANDICAP PARKING SPACES =	2
TOTAL SPACES =	46
TOTAL REQUIRED MIN. SPACES:	19
REQUIRED MAX SPACES:	ACCORDING TO USE

- BENCHMARK #1: SCRIBED 'X' SET IN CONCRETE (GPS TRAV) ELEV. = 953.43'
- BENCHMARK #2: SCRIBED 'X' SET IN CONCRETE WALL (GPS TRAV) ELEV. = 954.63'

- GENERAL NOTES:**
1. Clear all vegetation, roots and all other obstructions in preparation for grading.
 2. Prior to placing geotextile (filter fabric) make sure that the entrance is properly graded and compacted.
 3. To reduce maintenance and loss of aggregate place geotextile fabric (filter cloth) over the existing ground before placing the stone for the entrance.
 4. Stone should be placed to a depth of 6-inches or greater for the entire width and length.
 5. Width should be not less than full width of all points of ingress or egress. Flare the entrance where it meets existing road to provide a turning radius.
 6. Periodic maintenance will be required to prevent tracking onto public right-of-way or any roadway. All sediment spilled, dropped, or tracked onto any public right-of-way must be removed immediately.

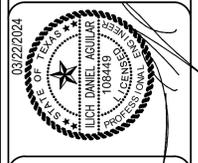
- MATERIALS:**
- Crushed stone 4-inches - 8-inches in diameter.
 - Geotextile (filter fabric) with the properties listed below.

Physical Property	Requirements
Grab Tensile Strength	220 lbs. (ASTM D4632)
Elongation Failure	60% (ASTM D4632)
Mullen Burst Strength	430 lbs. (ASTM D3786)
Puncture Strength	125 lbs. (ASTM D4833)
Equivalent Opening	Size 40-80 (US Std Sieve)(ASTM D4751)



- GENERAL NOTES:**
- Detail above illustrates minimum dimensions. Pit can be increased in size depending on expected frequency of use.
 - If hay bales are used, they shall be placed in accordance with details shown on Exhibit for hay bales.
 - Washout pit shall be located in an area easily accessible to construction traffic.
 - Washout pit shall not be located in areas subject to inundation from storm water runoff.

REVISIONS:	DESCRIPTION
NO.	DATE

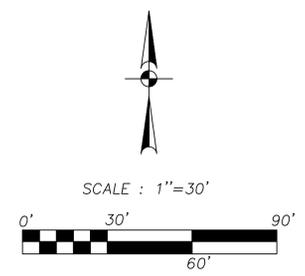


SWPPP

LILYPAD GARDEN SCHOOL
 NEW BUILDING
 18952 REDLAND RD
 SAN ANTONIO, TEXAS 78259

DESIGN	RJL
DRAWN	ELB
CHECKED	DA
DATE	03/22/24
JOB NO.	2301570
SHEET	
C4.00	

Date: Mar 25, 2024, 2:24pm User ID: rmaci
 File: V:\2301570-LILYPAD SCHOOL ADDITION\C5.0-TCEQ PROPOSED DRAINAGE NEW SITE PLAN.dwg



LOCATION MAP
NOT TO SCALE

LEGEND

- 1.389— EXISTING CONTOURS
- - - DRAINAGE AREA A1
- · - · - DRAINAGE AREA A2
- · - · - DRAINAGE AREA A3
- [Hatched Box] PRE. DEV. ROOF
- [Solid Grey Box] POST DEV ROOF
- [Dotted Box] PRE. DEV ASPHALT
- [Solid Grey Box] POST DEV ASPHALT
- [Hatched Box] PRE. DEV CONCRETE
- [Solid Grey Box] POST DEV CONCRETE
- [Grey Box] VEGETATIVE FILTER STRIP
- [Green Box] GREEN AREA

VEGETATIVE FILTER STRIP BMP SUMMARY					
BMP	DRAINAGE AREA(AC)	PRE. IMP. COVER (AC)	POST IMP. COVER (AC)	REQ. TSS REMOVAL (LBS)	DESIGN TSS REMOVAL (LBS)
TOTAL PROJECT AREA	3.07 A.C.	0.52 A.C.	0.93	341 LBS	398 LBS
FILTER STRIP-A1	1.62 A.C.	0.02 A.C.	0.24 A.C.	180 LBS	231 LBS
FILTER STRIP-A2	0.69 AC	0.40 A.C.	0.40 A.C.	0 LBS	186 LBS

RAIN CISTERN BMP SUMMARY							
BMP	DRAINAGE AREA(AC)	PRE. IMP. COVER (AC)	POST IMP. COVER (AC)	REQUIRED WATER QUALITY VOLUME(CF)	DESIGN WATER QUALITY VOLUME(CF)	REQ. TSS REMOVAL (LBS)	DESIGN TSS REMOVAL (LBS)
TOTAL PROJECT AREA	3.07 A.C.	0.52 A.C.	0.93 A.C.	N/A	N/A	341 LBS	398 LBS
ROOF 1	0.04 A.C.	0.00 A.C.	0.04 A.C.	134 CF	141 CF	29 LBS	29.5 LBS
ROOF 2	0.04 A.C.	0.00 A.C.	0.04 A.C.	134 CF	141 CF	29 LBS	29.5 LBS
ROOF 3	0.04 A.C.	0.00 A.C.	0.04 A.C.	134 CF	141 CF	29 LBS	29.5 LBS

● BENCHMARK #1 :
 SCRIBED "X" SET IN CONCRETE
 (GPS TRAV) ELEV. = 963.43'
 ● BENCHMARK #2 :
 SCRIBED "X" SET IN CONCRETE
 WALL (GPS TRAV) ELEV. = 954.63'

ADDRESS

18952 REDLAND RD
 SAN ANTONIO, TEXAS 78259
 ZONING: C-3NA

SITE INFORMATION

PARKING INFORMATION:
 BUILDING USE = SCHOOL
 BUILDING AREA = ± 15,258 S.F.
 BICYCLE PARKING SPACES = 0
 PARKING SPACES = 44
 HANDICAP PARKING SPACES = 2
 TOTAL SPACES = 46
 TOTAL REQUIRED MIN. SPACES: 19
 REQUIRED MAX SPACES: ACCORDING TO USE

TCEQ-PROPOSED DRAINAGE

LILYPAD GARDEN SCHOOL
 NEW BUILDING
 18952 REDLAND RD
 SAN ANTONIO, TEXAS 78259

DESIGN: RIL
 DRAWN: ELB
 CHECKED: DA
 DATE: 03/22/24
 JOB NO.: 2301570
 SHEET

C5.00



REVISIONS NO.	DATE	DESCRIPTION

LILYPAD GARDEN SCHOOL
WATER POLLUTION ABATEMENT PLAN

TCEQ FORM 0600 - ATTACHMENT G

PERMANENT POLLUTION ABATEMENT MEASURES MAINTENANCE SCHEDULE AND MAINTENANCE PROCEDURES

This document has been prepared to provide a description and schedule for the performance of maintenance on permanent pollution abatement measures. Maintenance measures to be performed will be dependent on what permanent pollution abatement measures are incorporated into the project. The project specific water pollution abatement plan should be reviewed to determine what permanent pollution abatement measures are incorporated in to a project.

It should also be noted that the timing and procedures presented herein are general guidelines, adjustment to the timing and procedures may have to be made depending on project specific characteristics as well as weather related conditions.

Where a project is occupied by the owner, the owner may provide for maintenance with his own skilled forces or contract for recommended maintenance of Permanent Best Management Practices. Where a project is occupied or leased by a tenant, the owner shall require tenants to contract for such maintenance services either through a lease agreement, property owner association covenants, or other binding document.

I understand that I am responsible for maintenance of the Permanent Pollution Abatement Measures included in this project until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property or ownership is transferred.

I, the owner, have read and understand the requirements of the attached Maintenance Plan and Schedule.


Lily Arguello
Owner, LILY GARDEN SCHOOL

Date 2/20/24

TCEQ FORM 0600 - ATTACHMENT G

INSPECTION AND MAINTENANCE SCHEDULE FOR VEGATATIVE FILTER STRIP

TASK TO BE PERFORMED	RECOMMENDED FREQUENCY	
	AFTER RAINFALL	BIANNUALLY*
Seasonal Mowing and Lawn Care	●	●
Sediment Removal	●	
Grass Reseeding and Mulching		●

*At least on biannual inspection must occur during or immediately after a rainfall event.

● Indicates maintenance procedure to be performed.

See description of maintenance task to be performed on the following pages. Frequency of maintenance tasks may vary depending on amount of rainfall and other weather related conditions.

A written record should be kept of inspection results and maintenance performed.

TCEQ FORM 0600 - ATTACHMENT G

Pg. 3 of 3

MAINTENANCE PROCEDURES FOR PERMANENT POLLUTION ABATEMENT MEASURES-VEGATATIVE FILTER STRIP

Seasonal Mowing and Lawn Care:

Grass height should be limited to 18 inches and mowed regularly. If native grasses are used, the filter may require less frequent mowing. While weeds should be removed, herbicide use should be kept to a minimum. Irrigation can help assure a dense and healthy vegetative cover.

Sediment Removal:

Sediment removal is not normally required in filter strips, since vegetation grows through sediment and binds it to the soil. However, sediment may accumulate along the upstream boundary of the strip and prevent uniform overland flow. Excess sediment should be removed by hand or with flat-bottomed shovels.

Grass Reseeding and Mulching

A healthy dense grass should be maintained. Dense vegetation may require irrigation immediately after planting and during particularly dry periods.

TCEQ FORM 0600

**ATTACHMENT I – MEASURES FOR MINIMIZING SURFACE STREAM
CONTAMINATION**

Any points where discharge from the site is concentrated and erosive velocities exist will include appropriately sized energy dissipators to reduce velocities to non-erosive levels.

**LILYPAD GARDEN SCHOOL
WATER POLLUTION ABATEMENT PLAN**

**TCEQ FORM 0599
AGENT AUTHORIZATION FORM**

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

I LILY ARGUELLO,
Print Name

Owner,
Title - Owner/President/Other

Of LILYPAD GARDEN SCHOOL
Corporation/Partnership/Entity Name

have authorized BEXAR ENGINEERS & ASSOCIATES, LLC
Print Name of Agent/Engineer

of BEXAR ENGINEERS & ASSOCIATES, LLC
Print Name of Firm

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

I also understand that:

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

SIGNATURE PAGE:

Lilly Arguello
Applicant's Signature

2/20/24
Date

THE STATE OF TX §

County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared Lilly Arguello 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 20 day of February 2024
Cath



NOTARY PUBLIC

Catherine Alexander
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 2/22/2026

**LILYPAD GARDEN SCHOOL
WATER POLLUTION ABATEMENT PLAN**

**TCEQ FORM 0574
APPLICATION FEE FORM**

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: LILYPAD GARDEN SCHOOL

Regulated Entity Location: 18952 REDLAND ROAD, SAN ANTONIO, TX 78259

Name of Customer: LILLY ARGUELLO

Contact Person: DANIEL AGUILAR Phone: _____

Customer Reference Number (if issued):CN _____

Regulated Entity Reference Number (if issued):RN _____

Austin Regional Office (3373)

- Hays Travis Williamson

San Antonio Regional Office (3362)

- Bexar Medina Uvalde
 Comal Kinney

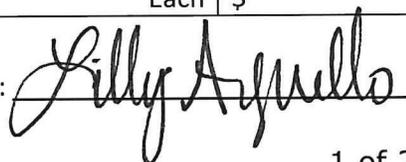
Application fees must be paid by check, certified check, or money order, payable to the **Texas Commission on Environmental Quality**. Your canceled check will serve as your receipt. **This form must be submitted with your fee payment.** This payment is being submitted to:

- Austin Regional Office 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	3.07 Acres	\$ 4,000
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: 02/19/24

Application Fee Schedule

Texas Commission on Environmental Quality

Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

<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

**LILYPAD GARDEN SCHOOL
WATER POLLUTION ABATEMENT PLAN**

**TCEQ FORM 10400
CORE DATA FORM**



TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		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 Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
LILLY ARGUELLO			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
11. Type of Customer:	<input type="checkbox"/> Corporation	<input checked="" type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input 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"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	LILLY ARGUELLO		
	18952 REDLAD RD		
	City	SAN ANTONIO	State TX ZIP 78259 ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(210) 497-3024		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
LILYPAD GARDEN SCHOOL	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	18952 REDLAND RD						
	City	SAN ANTONIO	State	TX	ZIP	78259	ZIP + 4
24. County	Bexar						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	The site is located near the Legend Oaks & Redland Rd. intersection							
26. Nearest City	SAN ANTONIO				State	TX	Nearest ZIP Code	78015
27. Latitude (N) In Decimal:	29.617248			28. Longitude (W) In Decimal:	-98.453378			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29	43	7.05	-98	39	49.30			
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)				
5812	5813	722511		722513				
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>								
SCHOOL								
34. Mailing Address:	LILLY ARGUELLO							
	18952 REDLAND RD							
	City	SAN ANTONIO	State	TX	ZIP	78259	ZIP + 4	
35. E-Mail Address:								
36. Telephone Number		37. Extension or Code			38. Fax Number <i>(if applicable)</i>			
(956) 227-4475					() -			

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

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

SECTION IV: Preparer Information

40. Name:	Illich D. Aguilar	41. Title:	Professional Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(210) 462-9334		() -	info@bexareng.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:	ARGUELLO VENTURES INC.	Job Title:	OWNER
Name <i>(In Print)</i> :	LILLY ARGUELLO	Phone:	(210) 497- 3024

Signature:

Philip Aguello

Date:

3/20/24