F-22385

MR. W FIREWORKS SUPERSTORE
MRW WORTHAM OAKS
WATER POLLUTION ABATEMENT PLAN

01.16.25

21502 Wortham Oaks Blvd.

San Antonio, Texas 78261

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: MRW Wortham Oaks						**2. Regulated Entity No.:**			
3. Customer Name: Team KAM Enterprises Ltd.						**4. Customer No.: CN606166502**			
5. Project Type: **(Please circle/check one)**	New		Modification			Extension		Exception	
6. Plan Type: **(Please circle/check one)**	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential		Non-residential			**8. Site (acres):**			1.5 AC
9. Application Fee:	$4,000		**10. Permanent BMP(s):**			N/A			
11. SCS (Linear Ft.):	N/A		**12. AST/UST (No. Tanks):**			N/A			
13. County:	Bexar		**14. Watershed:**			SALADO CREEK			

Application Distribution

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

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

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

Austin Region			
County:	**Hays**	**Travis**	**Williamson**
Original (1 req.)	___	___	___
Region (1 req.)	___	___	___
County(ies)	___	___	___
Groundwater Conservation District(s)	___Edwards Aquifer Authority ___Barton Springs/ Edwards Aquifer ___Hays Trinity ___Plum Creek	___Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	___Austin ___Buda ___Dripping Springs ___Kyle ___Mountain City ___San Marcos ___Wimberley ___Woodcreek	___Austin ___Bee Cave ___Pflugerville ___Rollingwood ___Round Rock ___Sunset Valley ___West Lake Hills	___Austin ___Cedar Park ___Florence ___Georgetown ___Jerrell ___Leander ___Liberty Hill ___Pflugerville ___Round Rock

San Antonio Region					
County:	**Bexar**	**Comal**	**Kinney**	**Medina**	**Uvalde**
Original (1 req.)	___	___	___	___	___
Region (1 req.)	___	___	___	___	___
County(ies)	___	___	___	___	___
Groundwater Conservation District(s)	___ Edwards Aquifer Authority ___Trinity-Glen Rose	___Edwards Aquifer Authority	___Kinney	___EAA ___Medina	___EAA ___Uvalde
City(ies) Jurisdiction	___Castle Hills ___Fair Oaks Ranch ___Helotes ___Hill Country Village ___Hollywood Park ___San Antonio (SAWS) ___Shavano Park	___Bulverde ___Fair Oaks Ranch ___Garden Ridge ___New Braunfels ___Schertz	NA	___San Antonio ETJ (SAWS)	NA

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

Javier Villafaña

Print Name of Customer/Authorized Agent

Signature of Customer/Authorized Agent — Date: 01/16/25

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

General Information Form

Texas Commission on Environmental Quality

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

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

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

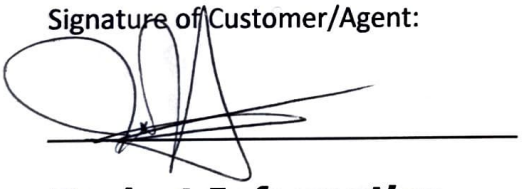
Signature

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

Print Name of Customer/Agent: Javier Villafaña

Date: 01.08.2025

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: MRW E. Evans Rd
2. County: Bexar County
3. Stream Basin: Elm Waterhole Creek (Salado Creek; Stream Segment 1910F)
4. Groundwater Conservation District (If applicable): EAA/Trinity Glen Rose GCD
5. Edwards Aquifer Zone:

   ☒ Recharge Zone
   ☐ Transition Zone

6. Plan Type:

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

7. Customer (Applicant):

   Contact Person: Wayne Wildman
   Entity: Team KAM Enterprises Ltd.
   Mailing Address: P.O. Box 114
   City, State: Somerset, TX Zip: 78069
   Telephone: (210)622-3112 FAX: _____
   Email Address: wildmans@flash.net

8. Agent/Representative (If any):

   Contact Person: Javier Villafaña
   Entity: Mr. W Fireworks, Inc.
   Mailing Address: P.O. Box 114
   City, State: Somerset, TX Zip: 78069
   Telephone: (210)383-6184 FAX: _____
   Email Address: javier@mrwfireworks.com

9. Project Location:

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

    21502 E. Evans Road

    From TCEQ regional office, head north on Judson Road approximately 0.9 miles to Loop 1604. Travel east on Loop 1604 approximately 1.3 miles to the exit for Green Mountain Rd. Travel northeast along Green Mountain Rd for 1.3 miles to Evans Rd. Travel northwest along Evans Rd to the project site which will be located on the right side of the road at the intersectin of Evans Rd with Wortham Oaks Blvd.

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: Completed

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:

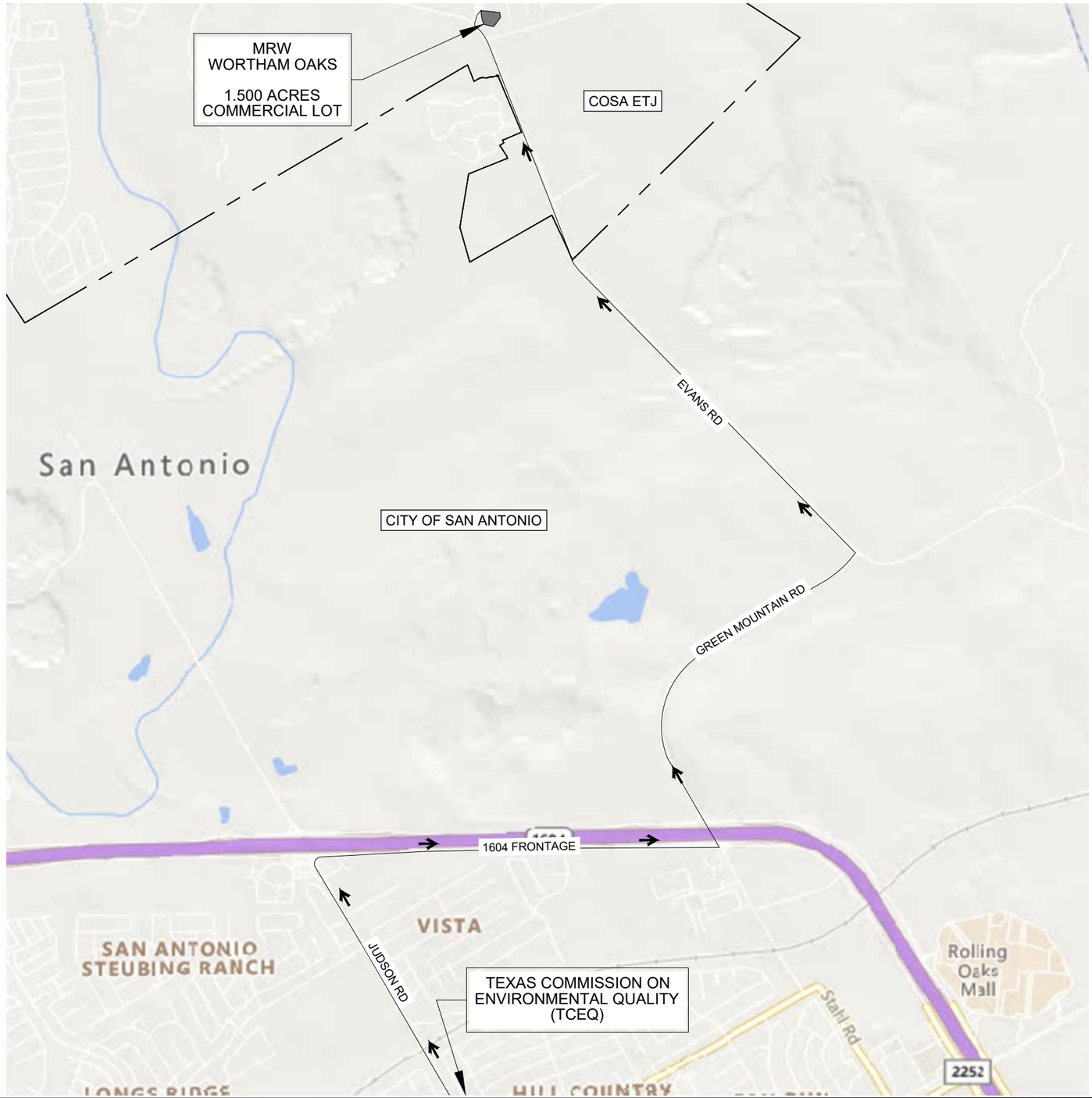
☒ For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
☐ For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
☐ For a UST Facility Plan or Modification or an AST Facility 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.



LEGEND

CITY LIMITS AND ETJ BOUNDARY

TCEQ DIRECTION ROUTE

SCALE: 1"=2000'

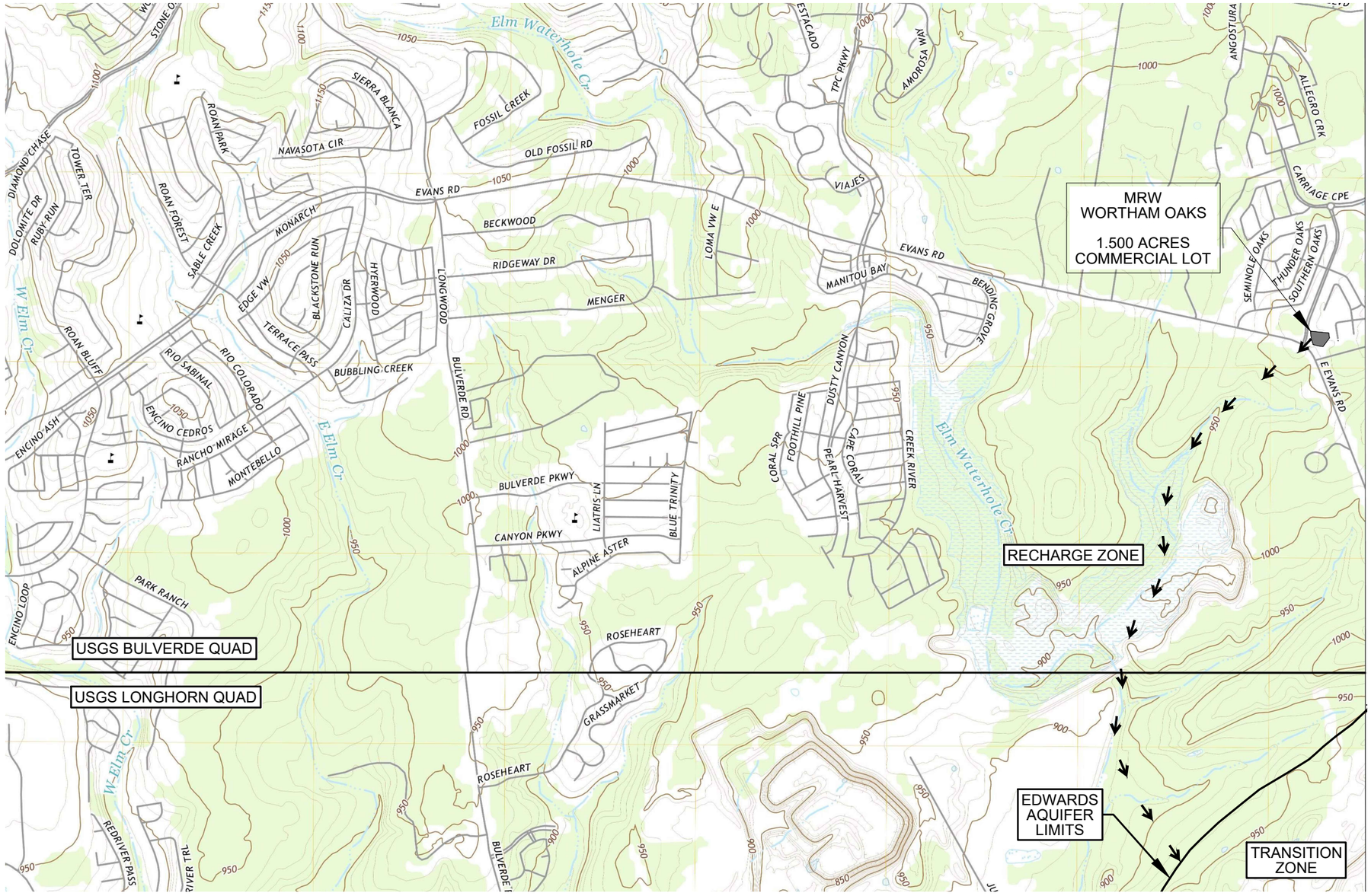
0 2000 4000

MRW WORTHAM OAKS - FIREWORKS SUPERSTORE

E EVANS RD

SAN ANTONIO, TX 78261

LOCATION MAP	
SHEET:	ATT A
DATE:	01/06/2025



LEGEND

QUAD MAP MATCH–LINE

DRAINAGE FLOW DIRECTION

SCALE: 1"=2000'

0 2000 4000

MRW WORTHAM OAKS - FIREWORKS SUPERSTORE

E EVANS RD

SAN ANTONIO, TX 78261

USGS / BULVERDE - LONGHORN	
SHEET:	ATT B
DATE:	01/06/2025

MR. W FIREWORKS, INC.
P.O. BOX 114
SOMERSET, TEXAS 78069
F-22385

January 14, 2025

Attachment C- Project Description

Existing Development:

MRW WORTHAM OAKS is a 1.5-acre tract of undeveloped cleared land located at 21502 Wortham Oaks Blvd. on a commercial lot within the City of San Antonio ETJ. The 1.5-acre site is part of the approved Century Oaks Master Development Plan *(Wortham Oaks Subdivision)* and is located along Wortham Oaks Blvd. which serves as main entrance to the existing subdivision. The site is located within the Edwards Aquifer Recharge Zone and does not include any floodplain within the property boundary. The site drains toward the south property limits to Evans Rd ROW.

The site has several significant and heritage trees with some previous clearing work done. The property also contains 0.031 acres of impervious cover which consists of an existing shared drive that serves the Amenity Center. This impervious cover amounts to 2.07% impervious cover for the overall 1.5-acre tract.

Proposed Development:

The proposed site improvements consist of a 5,000 SF metal fireworks building, concrete fire lane access, and ADA parking. In addition to this construction, there will be minimal tree removal and grading. The post development impervious cover for the project is 9,400 SF which results in 12.33% of the 1.5-acre project site. Since the post-development impervious cover is less than 20% permanent water quality BMP's are NOT required. Therefore, no permanent BMP's are proposed for this development.

Please note that the San Antonio Water System Aquifer Protection has determined this is a Category 2 site which allows for a maximum of 15% impervious cover.

GEOLOGIC ASSESSMENT (WPAP)

MRW WORTHAM OAKS
1.50 ACRES
BEXAR COUNTY, TEXAS

FROST GEOSCIENCES, INC. PROJECT NO.: FGS-E24208
OCTOBER 28, 2024

Prepared exclusively for

Mr. W Fireworks
PO Box 114
Somerset, Texas 78069

Frost GeoSciences
Geotechnical ▪ Construction Materials
Geologic ▪ Environmental

Frost GeoSciences
Geotechnical ▪ Construction Materials
Geologic ▪ Environmental

Frost Geosciences, Inc.
13406 Western Oak
Helotes, Texas 78023
Office (210)-372-1315
Fax (210)-372-1318
www.frostgeosciences.com
TBPE Firm Registration # F-9227
TBPG Firm Registration # 50040

October 28, 2024

Mr. W Fireworks
PO Box 114
Somerset, Texas 78069

Attn: Mr. Joseph Tober, P.E.

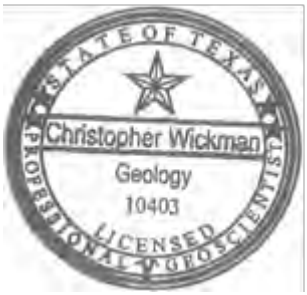
SUBJECT:
Geologic Assessment (WPAP)
for the Regulated Activities / Development on the
Edwards Aquifer Recharge / Transition Zone
MRW Wortham Oaks
1.50 Acres
Bexar County, Texas
FGS Project Nº FGS-E24208

Dear Mr. Tober:

Frost GeoSciences, Inc., (FGS) is pleased to submit the enclosed Geologic Assessment completed for the above referenced project site as it relates to 30 TAC §213.5(b)(3), effective June 1, 1999. Our investigation was conducted, and this report was prepared in general accordance with the Texas Commission on Environmental Quality (TCEQ) "Instructions to Geologists", TCEQ-0585-Instructions (Rev. 10-1-04).

If you have any questions regarding this report, or if Frost GeoSciences, Inc. may be of additional assistance to you on this project, please feel free to call our office. It has been a pleasure to work with you and we wish to thank you for the opportunity to be of service to you on this project. We look forward to being of continued service.

We appreciate the opportunity to perform these services for Mr. W Fireworks. Please contact the undersigned if you have questions regarding this report.



Respectfully submitted,
Frost GeoSciences, Inc.

Ethan Levine
Staff Geologist

Chris Wickman, P.G.
Senior Geologist

Copies Submitted:
(1) Mr. Joseph Tober; Mr. W Fireworks
(1) Cude Engineers
(1) Electronic (pdf) Copy

TABLE OF CONTENTS

GEOLOGIC ASSESSMENT

Texas Commission on Environmental Quality (TCEQ)

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

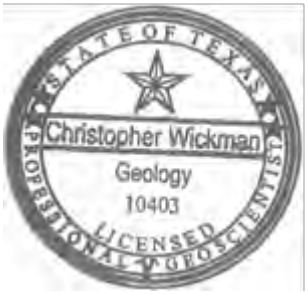
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Print Name of Geologist: Chris Wickman, P.G. Telephone: (210) 372-1315

Date: October 28, 2024 Fax: (210) 372-1318

Representing: Frost GeoSciences, Inc. #50040 (Name of Company and TBPG or TBPE registration number)

Signature of the Geologist:



Regulated Entity Name: MRW Wortham Oaks

Project Information

1. Date(s) Geologic Assessment was performed: October 15, 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	D	0-2 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" = 15'
   Site Geologic Map Scale: 1" = 15'
   Site Soils Map Scale: 1" = 500'

9. Method of collecting positional data:

   ☒ Global Positioning System (GPS) technology.
   ☒ Other method(s). Please describe method of data collection: 2023 Aerial Photograph

10. ☒ The project site and boundaries are clearly shown and labeled on the Site Geologic Map.

11. ☒ Surface geologic units are shown and labeled on the Site Geologic Map.

12. ☒ Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.

    ☐ Geologic or manmade features were not discovered on the project site during the field investigation.

13. ☒ The Recharge Zone boundary is shown and labeled, if appropriate.

14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.

    ☐ There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)

    ☐ The wells are not in use and have been properly abandoned.
    ☐ The wells are not in use and will be properly abandoned.
    ☐ The wells are in use and comply with 16 TAC Chapter 76.

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

Administrative Information

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

STRATIGRAPHIC COLUMN

EXPLANATION OF HYDROSTRATIGRAPHIC UNITS

Group or Formation	Formal and informal member		Hydrologic unit or Informal hydrostratigraphic unit
Taylor Group (Pecan Gap)		Kpg	Upper Confining Unit (UCU)
Austin Group		Ka	
Eagle Ford Group		Kef	
Buda Limestone		Kb	
Del Rio Clay		Kdr	
Georgetown Formation		Kg	I
Person Formation	Cyclic and marine, undivided	Kpcm	II
	Leached and collapsed	Kplc	III
	Regional dense member	Kprd	IV
Kainer Formation	Grainstone	Kkg	V
	Kirschberg evaporite	Kkke	VI
	Dolomitic	Kkd	VII
	Basal nodular	Kkbn	VIII
Glen Rose Limestone	Upper Glen Rose Limestone	Kgrc	Cavernous
		Kgrcb	Camp Bullis
		Kgrue	Upper evaporite
		Kgruf (Kgrf)	Fossiliferous Upper
		Kgrlf (Kgrf)	Lower
		Kgrle	Lower evaporite
	Lower Glen Rose Limestone	Kgrb	Bulverde
		Kgrlb	Little Blanco
		Kgrts	Twin Sisters
		Kgrd	Doeppenschmidt
		Kgrr	Rust
		Kgrhc	Honey Creek
Pearsall Formation	Hensell Sand	Kheh	Hensell
	Cow Creek Limestone	Kcccc	Cow Creek
	Hammett Shale	Khah	Hammett

Frost GeoSciences

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: MRW Wortham Oaks | **PROJECT NUMBER:** FGS-E24208

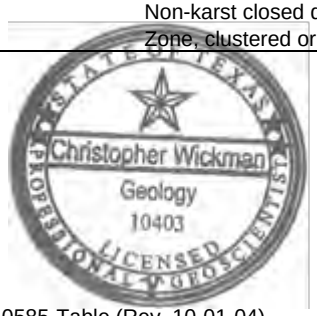
LOCATION			FEATURE CHARACTERISTICS												EVALUATION			PHYSICAL SETTING		
1A	1B *	1C*	2A	2B	3	4			5	5A	6	7	8A	8B	9	10		11		12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
						X	Y	Z		10						<40	>40	<1.6	>1.6	
S-1	0560218	3279184	MB	30	Kdr	2	2	-	-	-	-	-	X	5	35	35		X		Hillside
S-2	0560267	3279117	MB	30	Kdr	3	8	5	-	-	-	-	X	5	35	35		X		Hillside

Datum: NAD 83

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

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

12 TOPOGRAPHY
Cliff, Hilltop, Hillside, Floodplain, Streambed



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

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

Date: October 28, 2024

Chris Wickman, P.G.

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

LOCATION

The Site is a 1.50-acre lot located east of the intersection of Wortham Oaks Boulevard and Evans Road in San Antonio, Texas. The site is addressed at 21502 Wortham Oaks Boulevard in San Antonio, Texas. According to the Bexar County Tax Appraisal Office website, the site is comprised of two Bexar County Parcels with property ID numbers for the Site are 1137847 and 1135734. Commercial structural improvements are not reported to exist on the property. An overall view of the area is shown on copies of the site plan, a street map, the U.S.G.S. Topographic Map, the TCEQ Edwards Aquifer Viewer website, a Bexar County Watersheds Map, the Edwards Aquifer Authority Recharge Zones Map, the FEMA FIRM Map, the U.S. Geological Survey Clark Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers within Northern Bexar and Comal Counties Map, a 2020 aerial photograph at a scale of 1"=200', a 2023 aerial photographs at a scale of 1"=200', and an NRCS Web Soil Survey aerial photograph at a scale of 1"=500'.

These maps are included as **Figures 1** through **10** in **Appendix A**.

METHODOLOGY

The Geologic Assessment was performed by Chris Wickman, P.G., Senior Geologist, and Ethan Levine, Staff Geologist, with Frost GeoSciences, Inc. Mr. Wickman is a Licensed Professional Geoscientist in the State of Texas (License # 10403).

Frost GeoSciences, Inc. researched the geology of the area east of the intersection of Wortham Oaks Boulevard and Evans Road in San Antonio, Texas. The research included, but was not limited to, the Geologic Atlas of Texas, San Antonio Sheet, FEMA maps, Edwards Aquifer Recharge Zone Maps, U.S.G.S. 7.5 Minute Quadrangle Maps, U.S. Geological Survey, Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers within Northern Bexar and Comal Counties, Texas, Science Investigations Map 3366, the Bureau of Economic Geology-Geologic Atlas of Texas, the Geologic Map of the New Braunfels, Texas 30 X 60 Minute Quadrangle, the U.S.G.S. Water-Resources Investigations Report 95-4030, and the U.S.D.A. Soil Survey of Bexar County, Texas.

After reviewing the available information, a field investigation was performed to identify any geologic or man-made Potential Recharge Features (PRFs). A transect spacing of approximately 50 feet, or less depending on vegetation thickness, was used to inspect the project area. A 2023 aerial photograph, in conjunction with a hand-held Garmin GPS 73 Global Positioning System with an Estimated Potential Error ranging from 8 to 12 feet, was used to navigate around the property and identify the locations of PRFs, as recommended in the "Instructions to Geologists", TCEQ-0585-Instructions (Rev. 10-1-04). The locations of any PRFs noted in the field were marked with blue and white flagging. The flagging is numbered with the same potential recharge feature I.D. # that is used on the Site Geologic Map. The Site Geologic Map, indicating the limits of the project site, and the locations of PRFs and rock outcrops noted on the project site, is included in **Appendix C** of this report. A copy of the 2023 aerial photograph at an approximate scale of 1" =200' indicating the limits of the project site, and the locations of any PRFs and rock outcrops noted on the project site, is included on **Figure 10** in **Appendix A**. The Geologic Assessment Form TCEQ-0585, (Rev. 2-11-15), Stratigraphic Column, and the Geologic Assessment Table have been filled with the appropriate information for this project site and are included on pages 1 through 5 of this report.

RESEARCH & OBSERVATIONS

7.5 Minute Quadrangle Map Review

According to the U.S.G.S. 7.5 Minute Quadrangle Map, Bulverde, Texas Sheet (1988), the project site is located at approximately 1000 to 1030 feet above mean sea level. The project site is located on a slight topographic slope and is dominated by wooded land. The general direction of area runoff drainage appears to be to the south/southwest into an unnamed tributary of Waterhole Creek. A gravel pit is indicated to the north of the Site. A copy of the U.S.G.S. 7.5 Minute Quadrangle Map indicating the location of the project site is included on **Figure 3** in **Appendix A**.

Recharge/Transition Zone

According to the E.A.A. Edwards Aquifer Recharge Zone and Contributing Zone Map, Bulverde, Texas (2014), the Official Edwards Aquifer Recharge Zone Map, Bulverde, Texas Sheet (1988), and the TCEQ website: Edwards Aquifer Viewer – https://tceq.maps.arcgis.com/apps/webappviewer/index.html, the project site is located within the Recharge Zone of the Edwards Aquifer. A copy of the Bexar County Watersheds Map and the Edwards Aquifer Authority Recharge Zones Map indicating the location of the project site is included on **Figures 4** and **5** in **Appendix A**.

100-Year Floodplain

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map for the Flood Insurance Map, Community Panel Number 48029C0145G, dated September 29, 2010, was reviewed to determine if the project site is located in areas prone to flooding. A review of the above-mentioned Panel No. indicates that the project site is located within "Zone X". According to the Panel Legend, Zone X represents areas determined to be outside the 0.2% annual chance floodplain. A copy of the above referenced FIRM panel indicating the location of the project site is included on **Figure 6** in **Appendix A**.

Soils

According to the United States Department of Agricultural (USDA) Natural Resources Conservation Service (NRCS) Soil Survey of Bexar County (1966) and the USDA NRCS Web Soil Survey (WSS) website: https://websoilsurvey.nrcs.usda.gov, the Site is located on the Crawford and Bexar Stony Soils, 0 to 5 percent slopes (Cb). A copy of an aerial photo (approximate scale: 1"=500') obtained from the Web Soil Survey (WSS) website: https://websoilsurvey.nrcs.usda.gov has been included on **Figure 7** in **Appendix A**.

Crawford and Bexar Stony Soils, 0 to 5 percent slopes (Cb) are very dark grayish brown to reddish brown clay. They are stony clay in texture and are shallow to moderately deep over hard limestone. These soils are extensive in the northern part of the county. The surface very dark gray to dark reddish-brown, noncalcareous clay and is about 8 to 9 inches thick. Approximately 10 to 40 percent of this layer consists of limestone and chert fragments, with fragment sizes ranging from a quarter of an inch to nearly 24 inches across. The subsurface layer generally contains a few chert fragments of small flags of cherty limestone. This soil is naturally well drained. Internal drainage and permeability vary according to moisture content. Water moves rapidly when the soil is dry and cracked, but very slowly when the soil is wet. This soil has a USDA Texture Classification of Cherty Clay Loam to Loam. The Unified Classification is CG or CL. The AASHO Classification is A-2, A-4, or A-6. This soil has an average permeability from 1.0 to 1.5 inches/hour.

Narrative Description of the Site Geology

Based on a visual inspection of the ground surface, the overall potential for fluid flow from the project site into the Edwards Aquifer appears to be low. The locations of the PRFs are identified on the 2023 aerial photograph on **Figure 10** in **Appendix A**, and on the **Site Geologic Map** provided in **Appendix C**. Color photos of the project site and some of the PRFs are included in **Appendix B**.

The project site is characterized by a moderate to dense stand of vegetative cover broken up throughout the Site by broad areas of cut vegetation and land clearing. A portion of the parking lot for the Wortham Oaks Community Pool is included in the project site. A concrete drainage culvert (S-1) for a drainage ditch which crosses the Site is located in the northwestern corner of the Site. A second concrete drainage culvert (S-2) associated with the same drainage ditch is located in the southeast corner of the Site. Frost GeoSciences rates the features as low on figure 1 of the TCEQ-0585-Instructions (Rev. 10-01-04). The features score a 35 on the sensitivity scale, column 10 of the Geologic Assessment Table included on page 5 of this report. Frost GeoSciences, Inc. does not consider the culverts to be sensitive features.

These features, as well as variations in the vegetative cover on the property, are visible in the 2020 and 2023 aerial photographs on **Figures 9** and **10** in **Appendix A**. A copy of the Site Layout indicating the boundary of the project site and the elevations is included on the Site Geologic Map in **Appendix C** of this report.

According to the U.S. Geological Survey, Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers within Northern Bexar and Comal Counties, Texas, Science Investigations Map 3366, the project site is located on the Del Rio Clay (Kdr). A copy of the U.S. Geological Survey, Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers within Northern Bexar and Comal Counties, Texas, Science Investigations Map 3366 map is included on **Figure 8** in **Appendix A**. A copy of the Stratigraphic Column highlighting the outcropping formations is included on Page 4 of this report.

The Del Rio Clay is a calcareous and gypsiferous, blocky medium gray clay. Typically, this formation becomes less calcareous and more gypsiferous near the upper contact. Often contains thin lenticular beds of highly calcareous siltstone. Pyrite nodules are common. Marine megafossils include abundant Exogyra arientina and other pelecypods. The Del Rio Clay weathers to light gray or yellowish gray. Overall thickness ranges from 60 to 120 feet.

According to the site plan provided by Cude Engineers, the surveyed elevations on the project site range from 1010 to 1022 feet. According to this survey, the total relief on the project site is approximately 12 feet. A copy of the site plan indicating the boundary of the project site and the elevations is included on the Site Plan on **Figure 1** in **Appendix A** and the **Site Geologic Map** in **Appendix C** of this report.

BEST MANAGEMENT PRACTICES

Based on a visual inspection of the ground surface, the overall potential for fluid flow from the project site into the Edwards Aquifer appears to range from low to moderate. The potential always exists to encounter solution cavities within the subsurface during excavating activities. Frost GeoSciences, Inc. is of the opinion that it is very important for construction personnel to be informed of the potential to encounter cavities in the subsurface that lack a surface expression. Construction personnel should also be informed of the proper protocol to follow in the event a karst feature is encountered during the development of the project site.

DISCLAIMER

This report has been prepared in general accordance with the "Instructions to Geologists", TCEQ-0585-Instructions (Rev. 10-1-04) by a Licensed Texas Professional Geoscientist. All areas of the project site were carefully inspected for features that could contribute to the recharge of the Edwards Aquifer; however, this survey cannot preclude the presence of subsurface karst features that lack surface expression. This report is not intended to be a definitive investigation of all possible geologic or karst features at this site. All conclusions, opinions, and recommendations for Best Management Practices (BMP's) in this report are based on information obtained while researching the project and on the site conditions at the time of our field investigation.

This report has been prepared for the exclusive use of Mr. W Fireworks. This report is based on available known records, a visual inspection of the project site, and the work generally accepted for a Geologic Assessment for Regulated Activities / Developments on the Edwards Aquifer Recharge / Transition Zone, relating to 30 TAC §213.5(b)(3), effective June 1, 1999.

REFERENCES

1. USGS - 7.5 Minute Topographic Quadrangle of Bulverde, Texas (1988)

2. E.A.A. Edwards Aquifer Recharge Zone and Contributing Zone Map, Bulverde, Texas (2014)

3. Official Edwards Aquifer Recharge Zone Map, Bulverde, Texas (1999)

4. The Texas Commission on Environmental Quality (TCEQ) website: Edwards Aquifer Viewer – https://tceq.maps.arcgis.com/apps/webappviewer/index.html

5. Clark, A.K., Golab, J.A. and Morris, R.R., 2016, Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers within Northern Bexar and Comal Counties, Texas, Science Investigations Map 3366, United States Geological Survey

6. Clark, A.K., Golab, J.A. and Morris, R.R., 2016, Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers within Northern Bexar and Comal Counties, Texas, United States Geological Survey

7. Collins, Edward, W., 2000, Geologic Map of the New Braunfels 30 X 60 Minute Quadrangle, Bureau of Economic Geology, The University of Texas at Austin, Texas

8. Barnes, V.L., 1982, Geologic Atlas of Texas San Antonio, Texas Sheet, Bureau of Economic Geology and University of Texas at Austin, Geologic Atlas of Texas

9. Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, Community Panel Number 48091C0295F, dated September 2, 2009

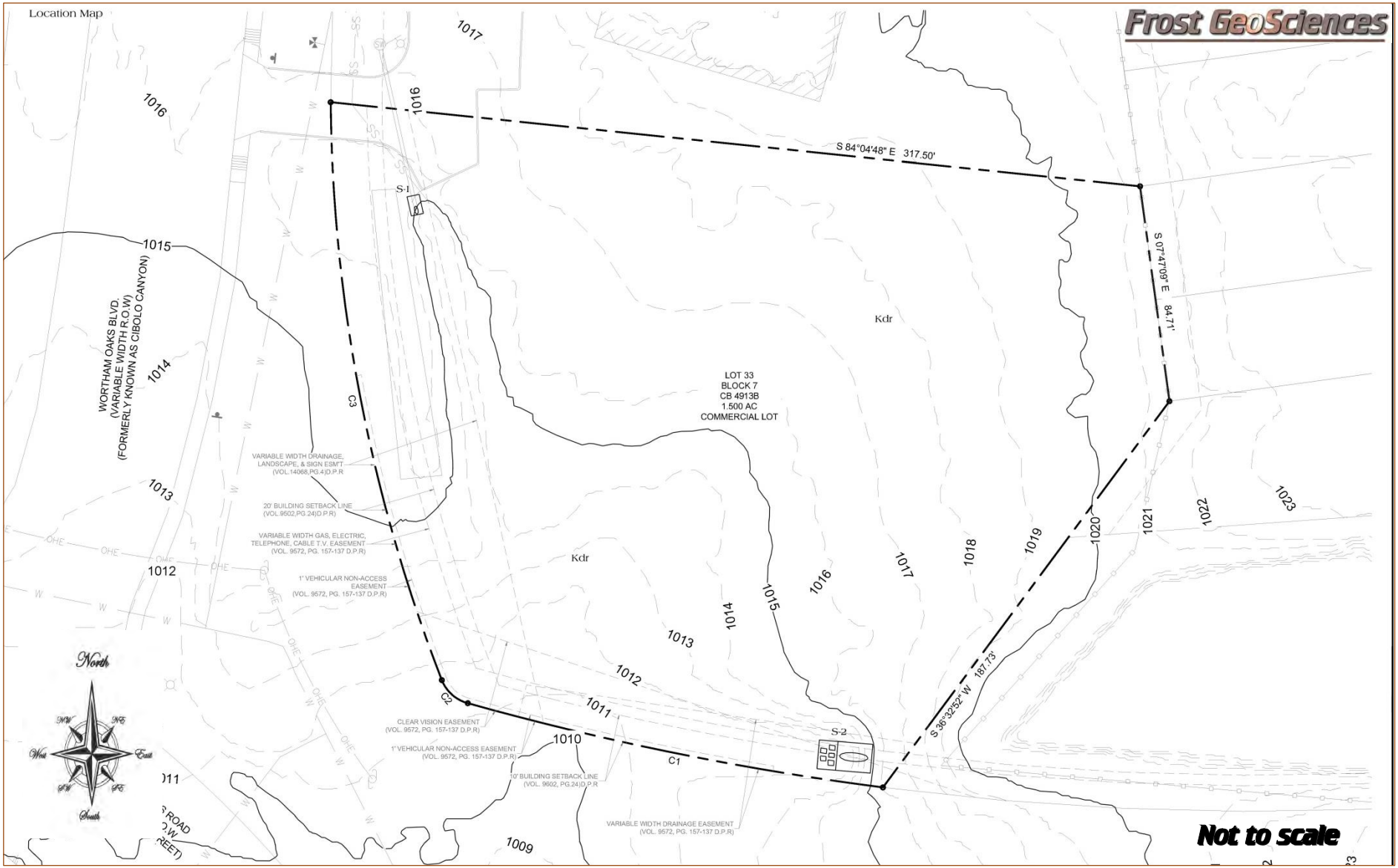
10. United States Department of Agriculture Soil Conservation Service Soil Survey of Bexar County (1984)

11. USDA NRCS Web Soil Survey (WSS) website: https://websoilsurvey.nrcs.usda.gov (2014)

12. TCEQ-0585-Instructions (Rev. 10-1-04), “Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zone”

APPENDIX A

SITE LOCATION FIGURES



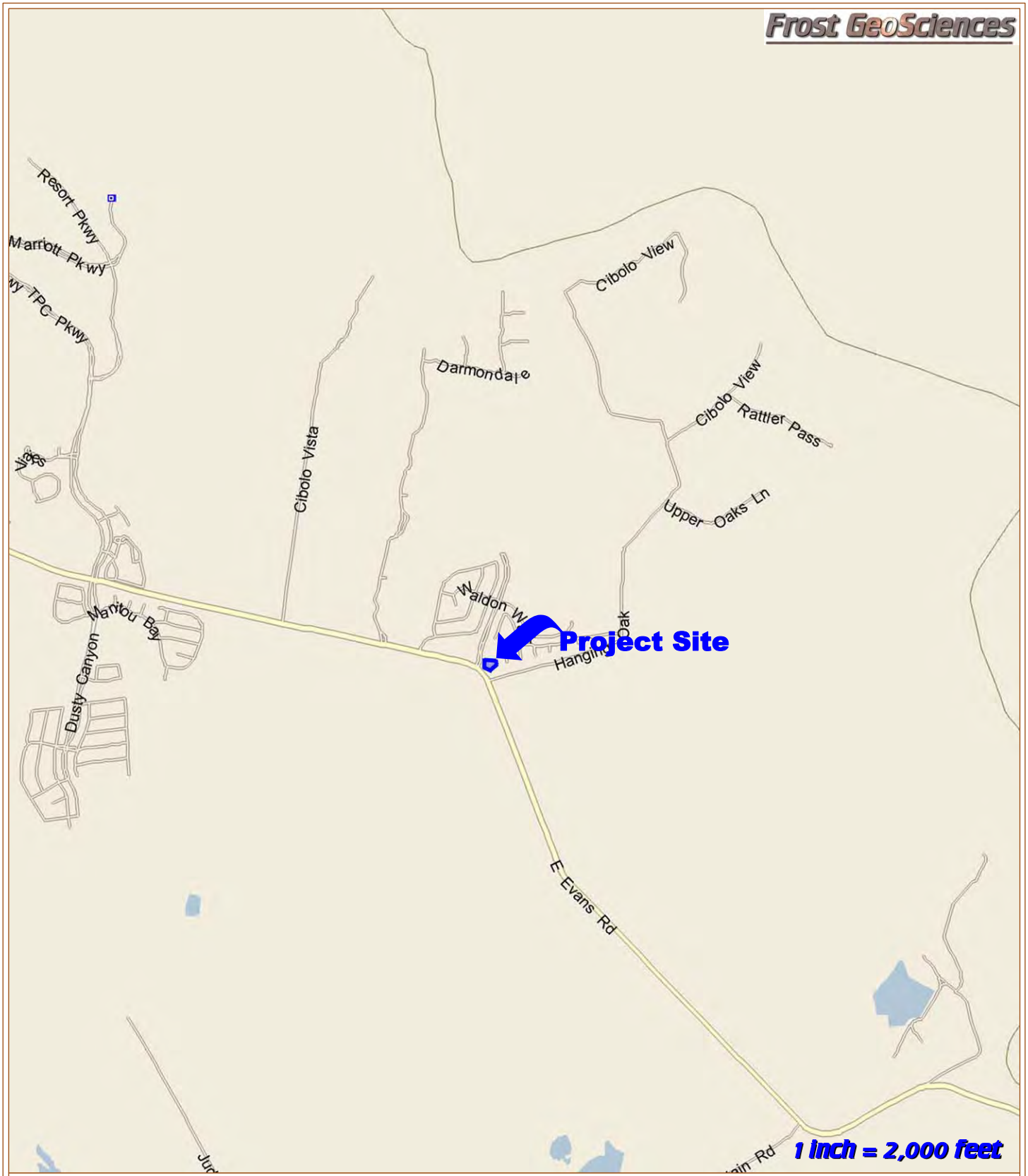
PROJECT NAME:

Geologic Site Assessment (WPAP)
for Regulated Activities/Development on the
Edwards Aquifer Recharge/Transition Zone
Bexar County, Texas

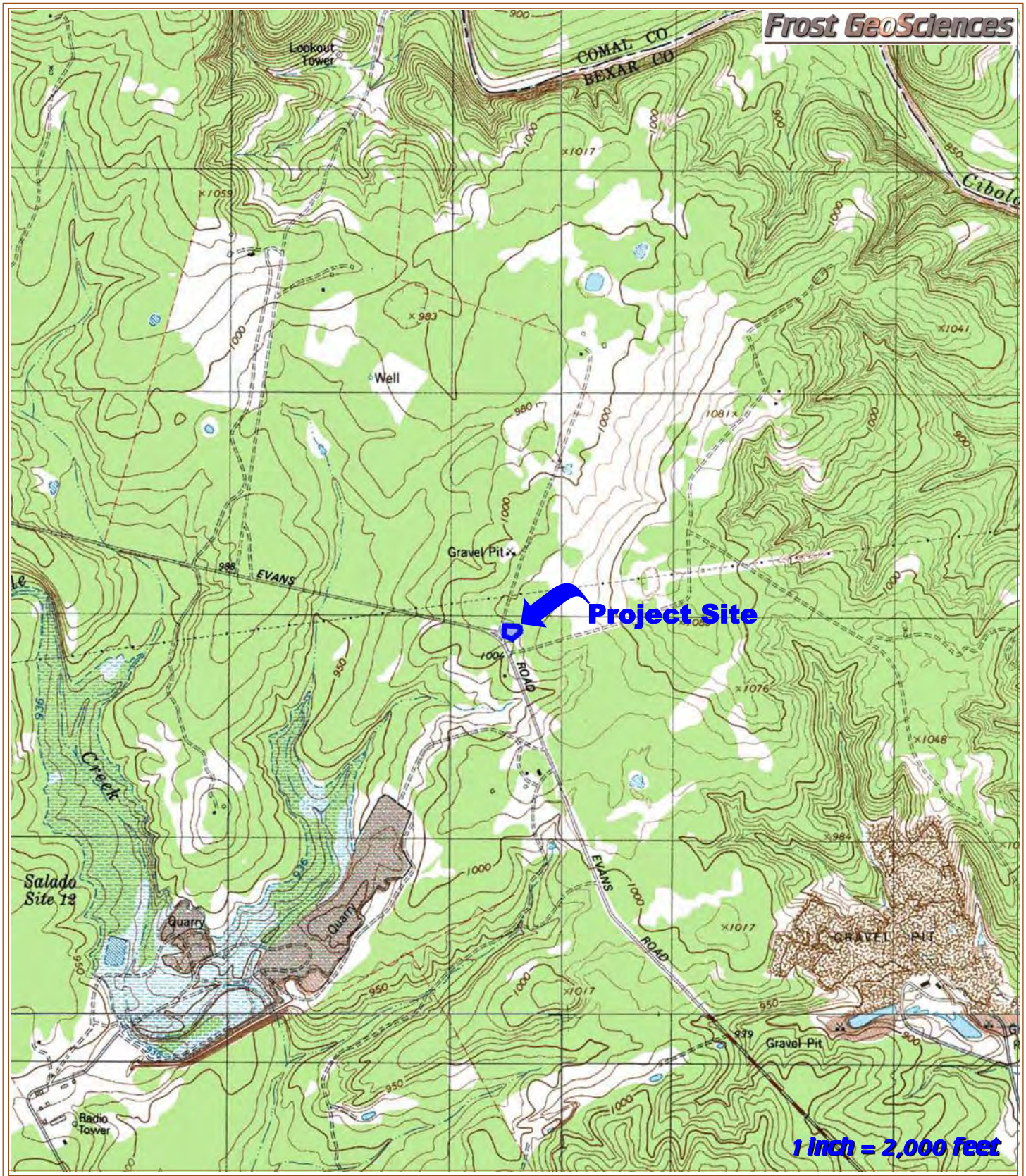
Site Plan

PROJECT No.: FGS-E24208

DATE: October 28, 2024

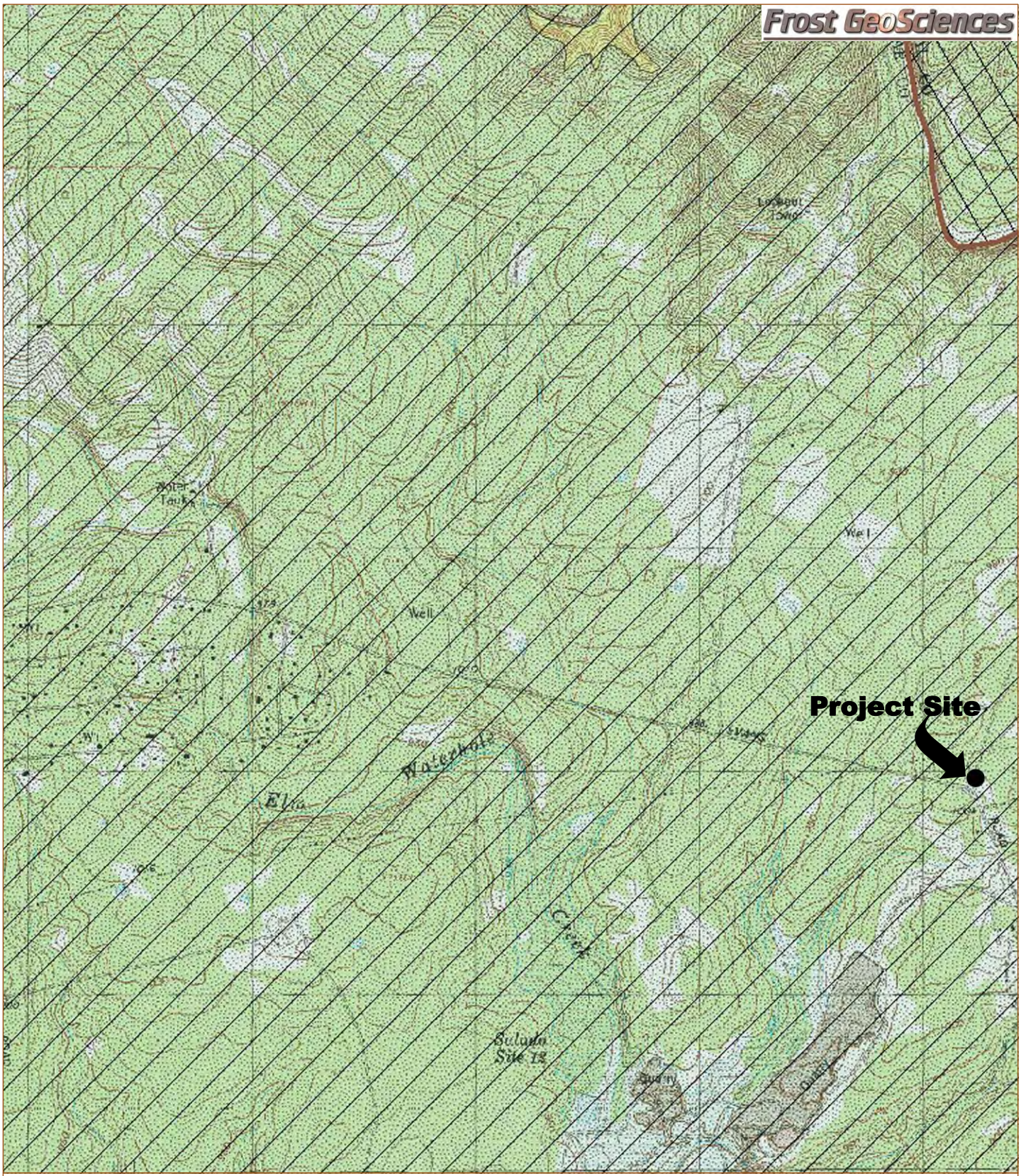


PROJECT NAME: Geologic Site Assessment (WPAP) for Regulated Activities/Development on the Edwards Aquifer Recharge/Transition Zone MRW Wortham Oaks Bexar County, Texas	Street Map Microsoft Streets and Trips (2013)
PROJECT No.: FGS-E24208	**DATE:** October 28, 2024

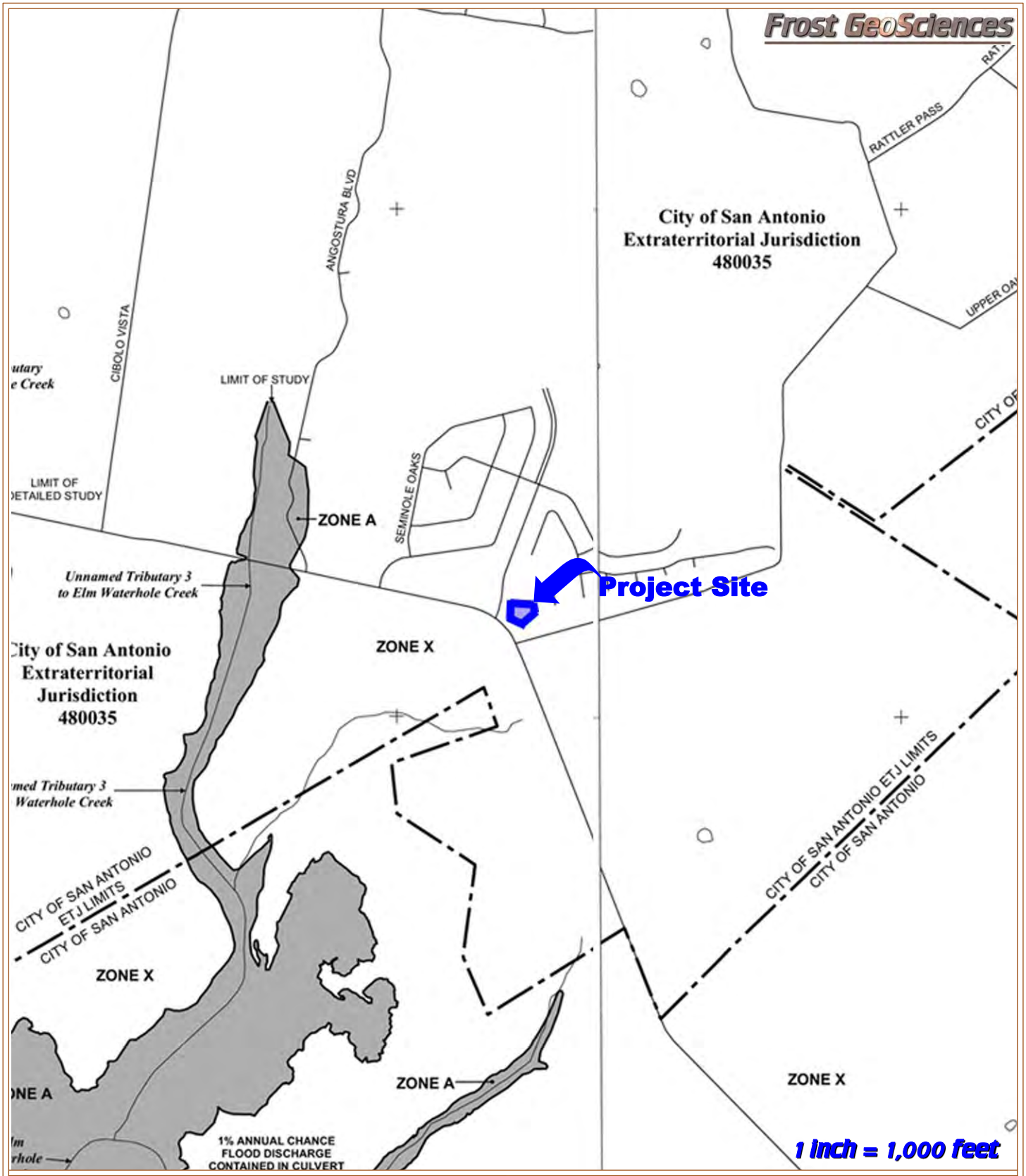


PROJECT NAME: Geologic Site Assessment (WPAP) for Regulated Activities/Development on the Edwards Aquifer Recharge/Transition Zone MRW Wortham Oaks Bexar County, Texas	U.S.G.S. 7.5 Minute Quadrangle Map Bulverde, TX Sheet (1988)
PROJECT No.: FGS-E24208	**DATE:** October 28, 2024

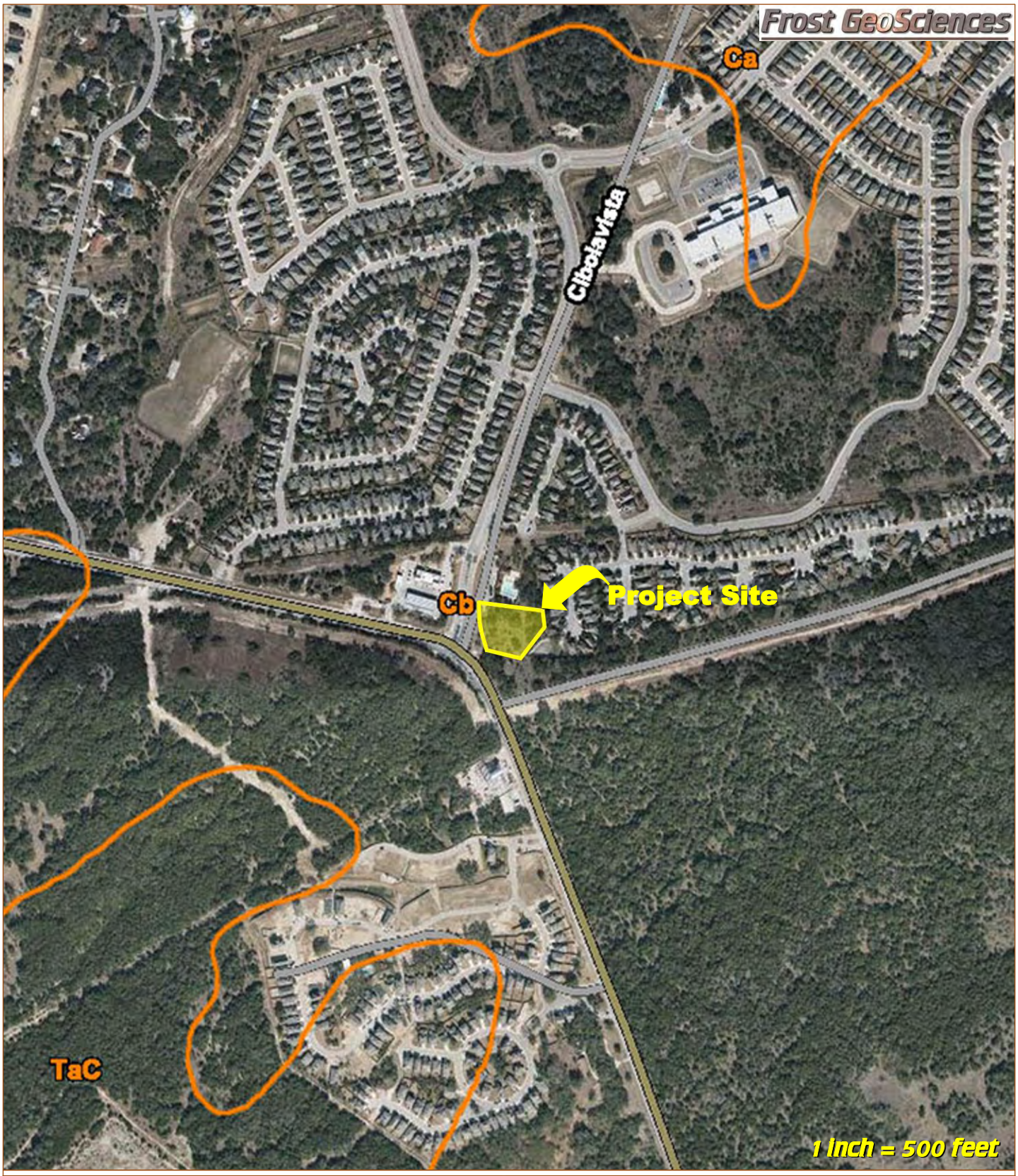
PROJECT NAME: Geologic Site Assessment (WPAP) for Regulated Activities/Development on the Edwards Aquifer Recharge/Transition Zone MRW Wortham Oaks Bexar County, Texas	Bexar County Watersheds Map San Antonio Water Systems (2004)
PROJECT No.: FGS-E24208	**DATE:** October 28, 2024



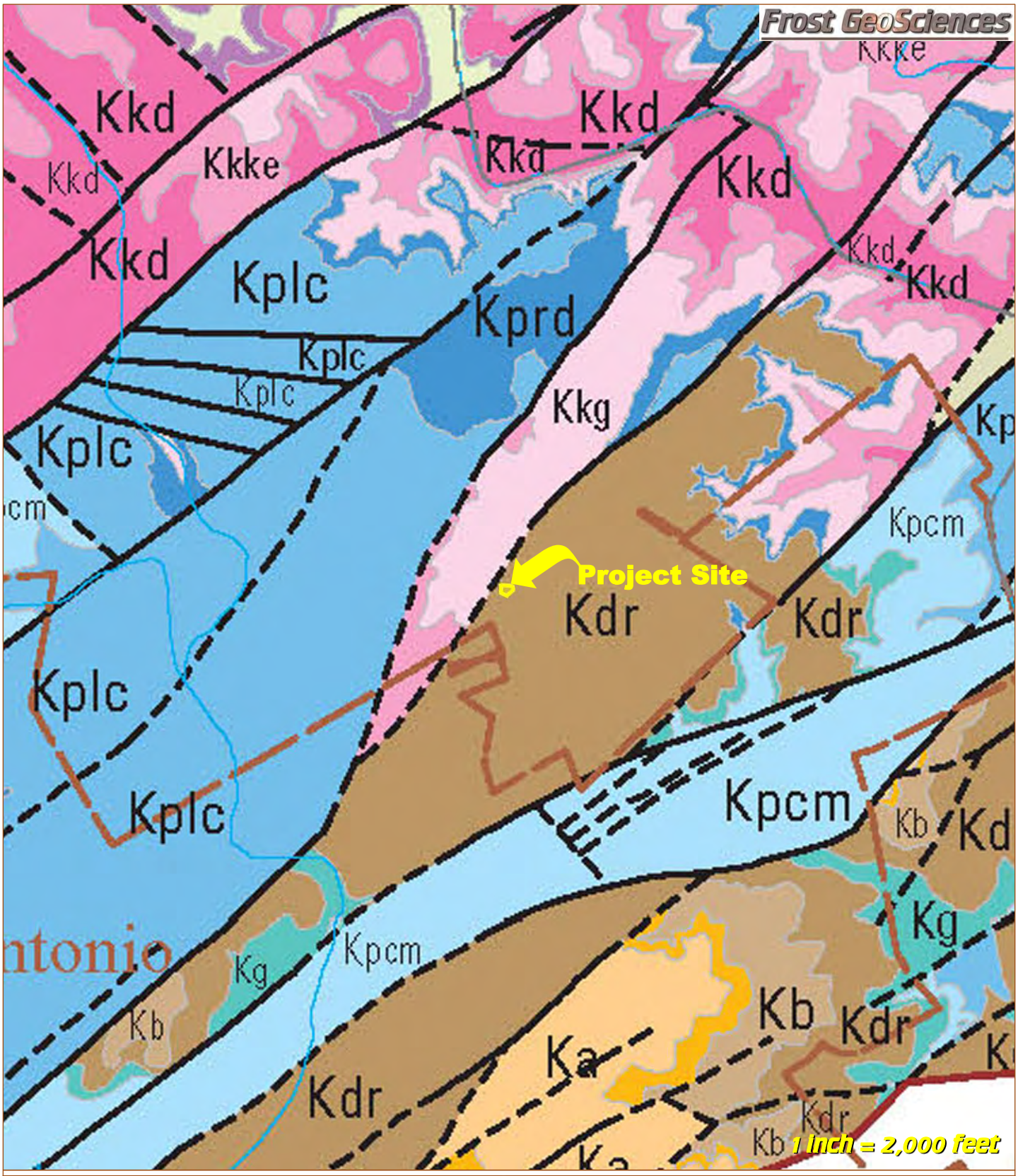
PROJECT NAME: Geologic Site Assessment (WPAP) for Regulated Activities/Development on the Edwards Aquifer Recharge/Transition Zone MRW Wortham Oaks Bexar County, Texas	EAA Recharge & Contributing Zone Map Bulverde, Texas (2014)
PROJECT No.: FGS-E24208	**DATE:** October 28, 2024



PROJECT NAME: Geologic Site Assessment (WPAP) for Regulated Activities/Development on the Edwards Aquifer Recharge/Transition Zone MRW Wortham Oaks Bexar County, Texas	Flood Insurance Rate Map (FIRM) Community Panel # 48029C0145G &165F Revised 10/29/2010
PROJECT No.: FGS-E24208	**DATE:** October 28, 2024

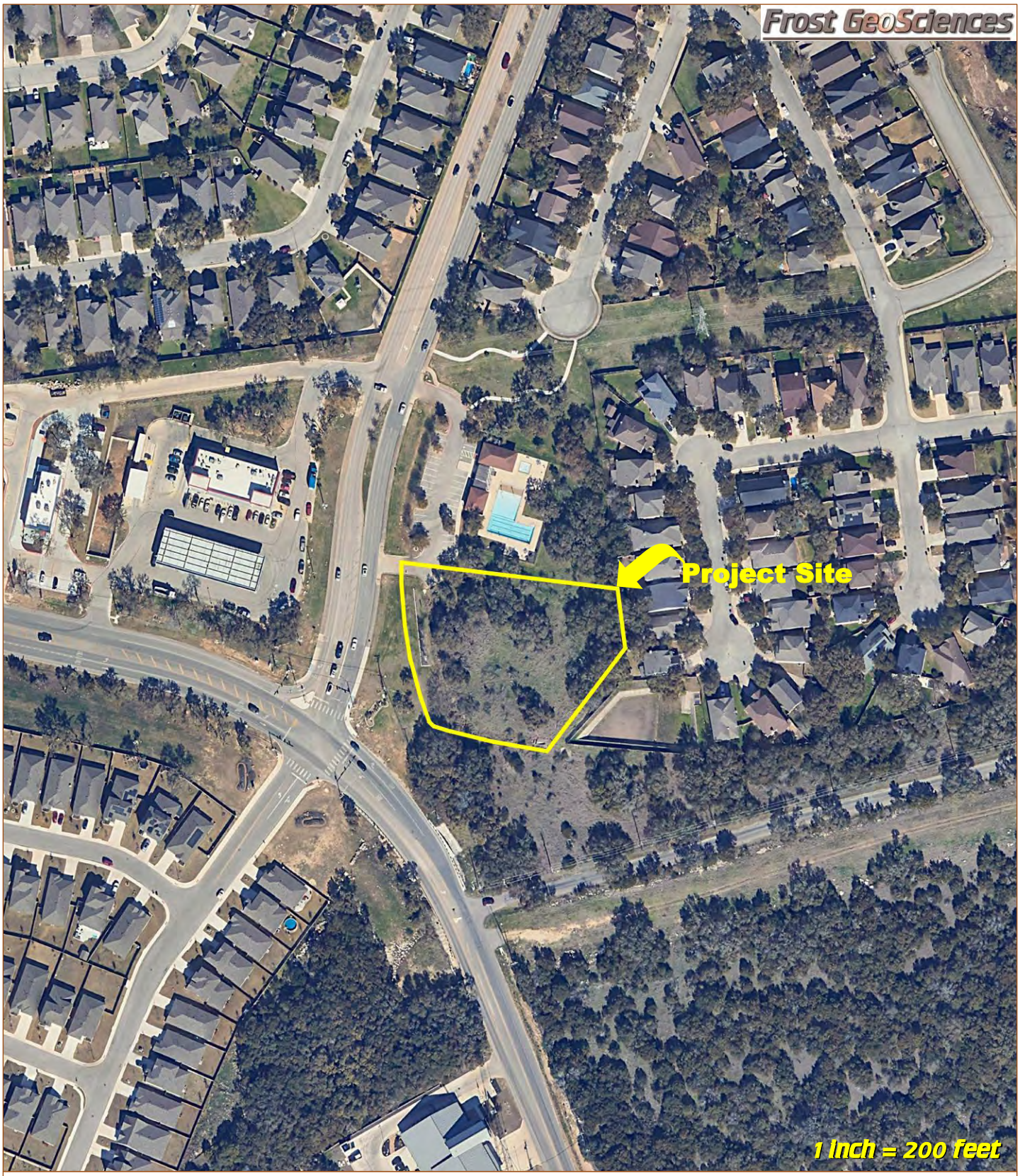


PROJECT NAME: Geologic Site Assessment (WPAP) for Regulated Activities/Development on the Edwards Aquifer Recharge/Transition Zone MRW Wortham Oaks Bexar County, Texas	Soils Map Bexar County Soil Survey NRCS website: websoilsurvey.nrcs.usda.gov
	PROJECT No.: FGS-E24208 / **DATE:** October 28, 2024



PROJECT NAME: Geologic Site Assessment (WPAP) for Regulated Activities/Development on the Edwards Aquifer Recharge/Transition Zone MRW Wortham Oaks Bexar County, Texas	United States Geological Survey Scientific Investigations Map 3364 Clark (2016)
	PROJECT No.: FGS-E24208 / **DATE:** October 28, 2024

PROJECT NAME:	2020 Aerial Photograph w PRFs Google Earth Aerial Image	
Geologic Site Assessment (WPAP) for Regulated Activities/Development on the Edwards Aquifer Recharge/Transition Zone Bexar County, Texas	PROJECT No.: FGS-E24208	DATE: October 28, 2024



PROJECT NAME:	2023 Aerial Photograph Google Earth Aerial Image	
Geologic Site Assessment (WPAP) for Regulated Activities/Development on the Edwards Aquifer Recharge/Transition Zone Bexar County, Texas	PROJECT No.: FGS-E24208	DATE: October 28, 2024

APPENDIX B

SITE PHOTOGRAPHS

Photo #1 – View to the east from the northwest corner of the Site.

Photo #2 – View to the south from the northwest corner of the Site.

Photo #3 – View to the southeast from the northwest corner of the Site.

Photo #4 – View of a warning post for a buried gas pipeline located adjacent to the western boundary.

	
Photo #5 – View to the north from the southwest corner of the Site.	Photo #6 – View to the northeast from the southwest corner of the Site.

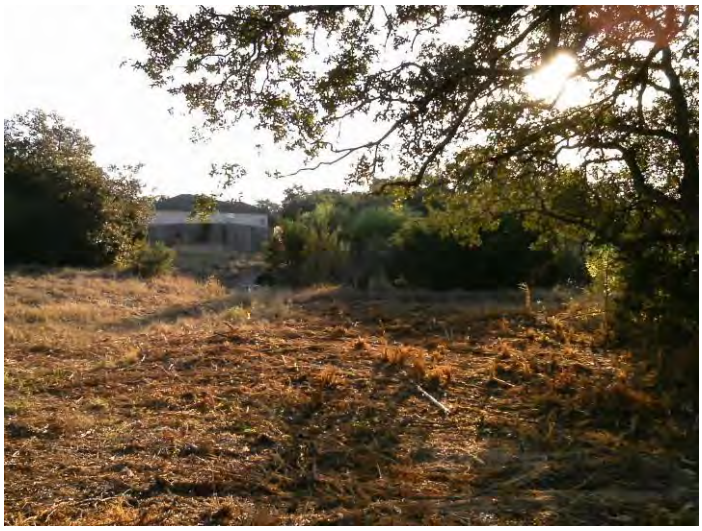
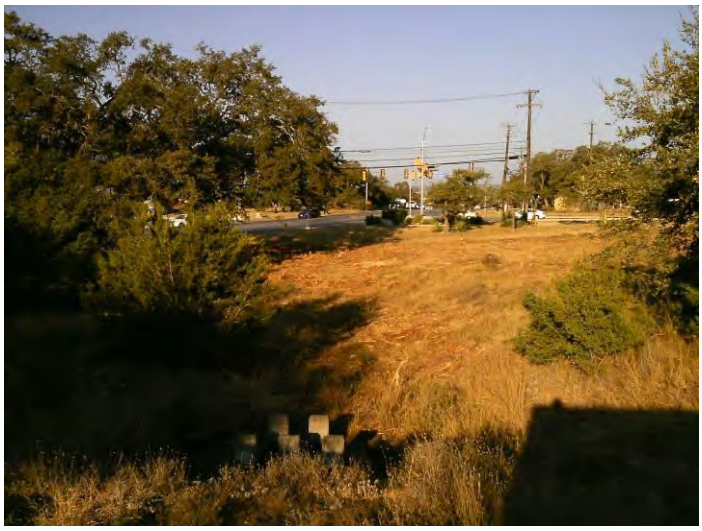

	

Photo #7 – View to the east from the southwest corner of the Site.	Photo #8 – View to the west from the southeast corner of the Site.

	
Photo #9 – View to the north from the southeast corner of the Site.	Photo #10 – View to the south along the eastern boundary of the Site.
	
Photo #11 – View to the west along the eastern boundary of the Site.	Photo #12 – View to the north along the eastern boundary of the Site.

	
Photo #13 – View to the south from the northeast corner of the Site.	Photo #14 – View to the west from the northeast corner of the Site.
	
Photo #15 – View to the north from the northeast corner of the Site.	Photo #16 – View to the east along the northern boundary of the Site.

	
Photo #17 – View to the west along the northern boundary of the Site.	Photo #18 – View of a drainage ditch in the northwestern portion of the Site.
	
Photo #19 – Additional view of a drainage ditch in the northwestern portion of the Site.	Photo #20 – View to the east along the drainage ditch in the southern portion of the Site.

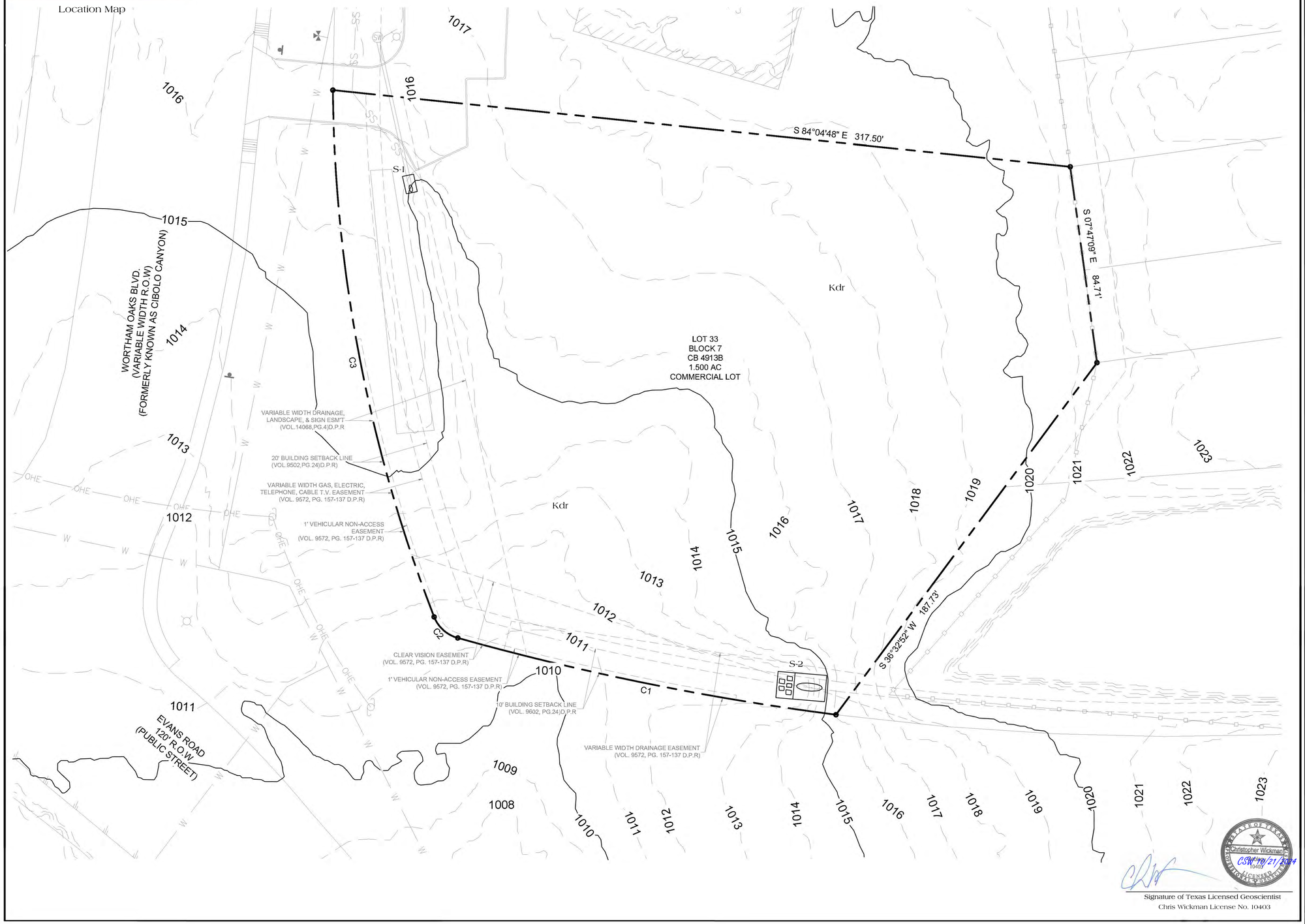
	
Photo #21 – View to the east from the central portion of the Site.	Photo #22 – View to the south from the central portion of the Site.
	
Photo #23 – View to the west from the central portion of the Site.	Photo #24 – View to the north from the central portion of the Site.

	
Photo #25 – View of a tree pull adjacent to the southern boundary of the Site.	Photo #26 – View of a second drainage ditch in the southeastern portion of the Site.

APPENDIX C

GEOLOGIC MAP

Location Map



Signature of Texas Licensed Geoscientist
Chris Wickman License No. 10403

Frost GeoSciences
Geotechnical ▪ Construction Materials
Geologic ▪ Environmental
13406 Western Oak ▪ Helotes, Texas 78023
Phone: (210) 372-1315 ▪ Fax: (210) 372-1318

Site Geologic Map

Geologic Site Assessment (WPAP)
for Regulated Activities / Development on the
Edwards Aquifer Recharge / Transition Zone
for the

MRW Wortham Oaks
1.50 Acres
San Antonio, Texas

Frost GeoSciences, Inc. Control # FGS-E24208

Legend

Kdr - Del Rio Clay
S-# - Potential Recharge Feature (PRF)
- Formation Contact

Floodplain Information Obtained From
FIRM: Flood Insurance Rate Map
Comal County, Texas: Panel # 48029C0145G, Revised 9/29/2010

Fault Information Obtained From:
Bureau of Economic Geology, Geologic Atlas of Texas, San Antonio Sheet (1983)
U.S. Geological Survey, Water Resources Investigations Report 95-4030 (1994)
Geologic Map of the New Braunfels, Texas 30 X 60 Minute Quadrangle (2000)
U.S. Geological Survey Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers within Northern Bexar and Comal Counties, Texas (2016)

North
NW NE
West East
SW SE
South

Graphic Scale

15 0 7.5 15 30

(In Feet)

1 inch = 15 feet
Representative Fraction 1:180

Contour Interval - 1 foot

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.

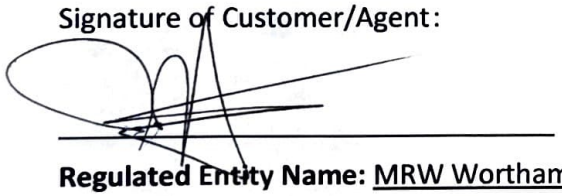
Signature

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: Javier Villafaña

Date: 01.14.2025

Signature of Customer/Agent:



Regulated Entity Name: MRW Wortham Oaks

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):1.5 ac

3. Estimated projected population:N/A

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	5,000	÷ 43,560 =	0.115
Parking	4,400	÷ 43,560 =	0.101
Other paved surfaces	0.0	÷ 43,560 =	0.0
Total Impervious Cover	9,400	÷ 43,560 =	0.216

Total Impervious Cover 0.216 **÷ Total Acreage** 1.50 **X 100 =** 12.33**% 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 = _____ Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.

10. Length of pavement area: _____ feet.

    Width of pavement area: _____ feet.
    L x W = _____ Ft^2 ÷ 43,560 Ft^2/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:

0% Domestic	0 Gallons/day
0% Industrial	0 Gallons/day
0% Commingled	0 Gallons/day
TOTAL gallons/day 0	

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" = 40'.

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): 48029C0145G, 09/29/2010

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.

MR. W FIREWORKS, INC.
P.O. BOX 114
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F-22385

January 14, 2025

MRW WORTHAM OAKS
WPAP SECTION (TCEQ-0584)

Attachment A- Factors Affecting Surface Water Quality

Potential sources of pollution from the construction site that may be expected to affect the quality of storm water discharges of said site include:

a) Soil erosion due to clearing of site for drainage and pavement
b) Oil, grease, fuel & hydraulic fluid contamination from construction vehicle drippings
c) Miscellaneous trash and litter from construction workers and material wrappings
d) Construction debris
e) Concrete truck washout
f) Hydrocarbons from asphalt paving operations

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Attachment B – Volume and Character Storm Water

The quality of the stormwater runoff will be that of a retail building with a metal roof and concrete fire lane & ADA parking. The majority of the impervious cover is from the roof and parking area where runoff from the roof will be contaminated mostly by airborne pollutants and runoff produced by the project site will be caused by oils and other pollutants from vehicles.

Existing Conditions:

STUDY PT	AREA	Tc	ACRES	C	I5	I25	I100	Q5	Q25	Q100
	EX1	5	0.07	0.41	7.94	11.14	14.01	0.22	0.32	0.40
	EX2	5	0.17	0.41	7.94	11.14	14.01	0.55	0.78	0.98
	EX3	5	0.10	0.41	7.94	11.14	14.01	0.33	0.46	0.57
	EX4	10	1.15	0.41	6.36	8.88	11.23	3.00	4.19	5.30
	ODA1	8	1.09	0.59	6.87	9.61	12.16	4.42	6.18	7.82
DP1	EX1-ODA1	10	2.58	0.49	6.36	8.88	11.23	8.04	11.23	14.20

See Existing Drainage Area Map for more details.

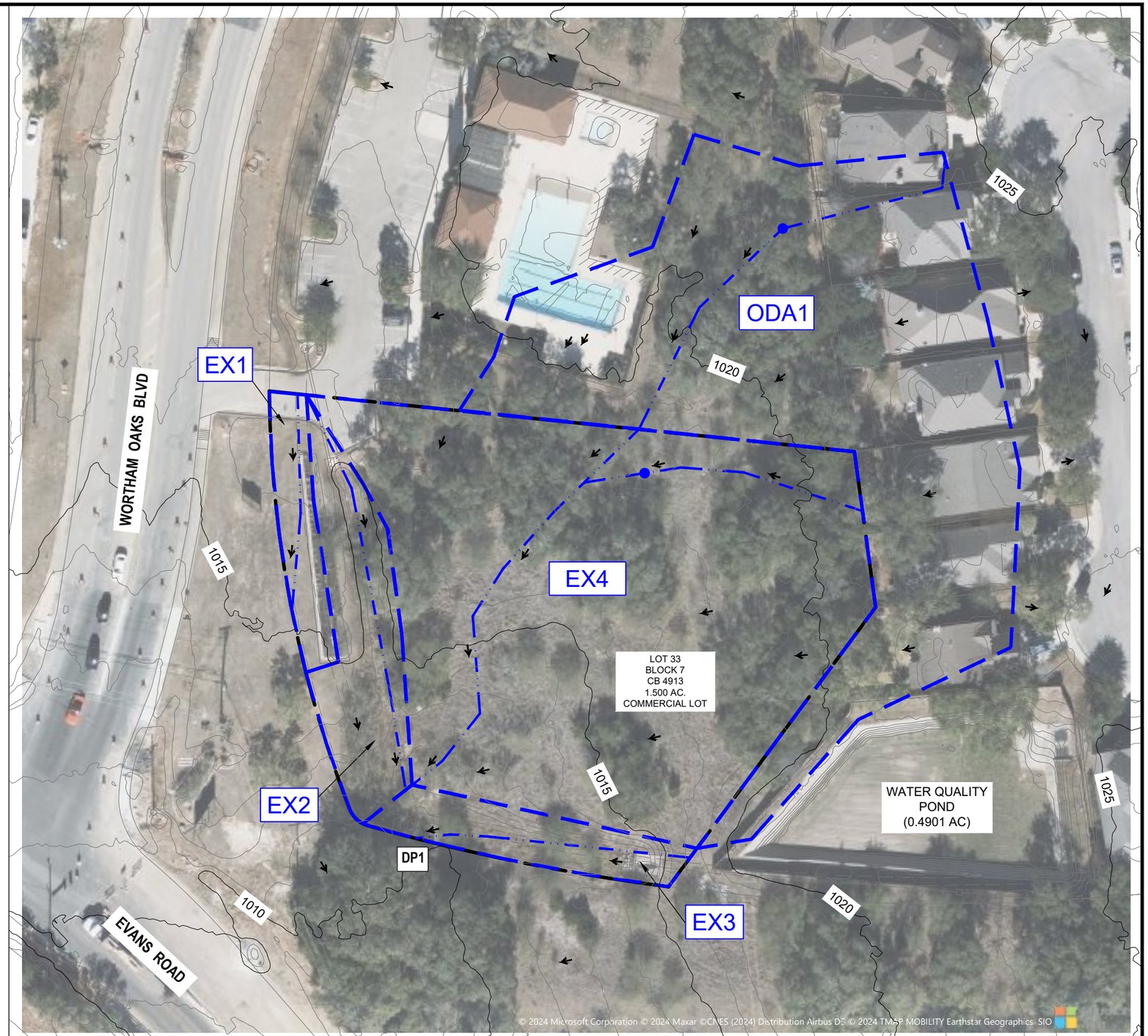
Proposed-Ultimate Conditions:

STUDY PT	AREA	Tc	ACRES	C	I5	I25	I100	Q5	Q25	Q100
	DA1	5	0.07	0.41	7.94	11.14	14.01	0.22	0.32	0.40
	DA2	5	0.17	0.41	7.94	11.14	14.01	0.55	0.78	0.98
	DA3	5	0.10	0.41	7.94	11.14	14.01	0.33	0.46	0.57
	DA4	10	1.15	0.50	6.36	8.88	11.23	3.66	5.11	6.46
	ODA1	8	1.09	0.59	6.87	9.61	12.16	4.42	6.18	7.82
DP1	DA1-ODA1	10	2.58	0.53	6.36	8.88	11.23	8.69	12.14	15.36

See Proposed-Ultimate Drainage Area Map for more details.

EXISTING CONDITIONS CALCULATIONS

STUDY PT	AREA	Tc	AC.	C	I5	I25	I100	Q - 5 YR. (cfs)	Q - 25 YR. (cfs)	Q - 100 YR. (cfs)
	EX1	5	0.07	0.41	7.94	11.14	14.01	0.22	0.32	0.40
	EX2	5	0.17	0.41	7.94	11.14	14.01	0.55	0.78	0.98
	EX3	5	0.10	0.41	7.94	11.14	14.01	0.33	0.46	0.57
	EX4	10	1.15	0.41	6.36	8.88	11.23	3.00	4.19	5.30
	ODA1	8	1.09	0.59	6.87	9.61	12.16	4.42	6.18	7.82
DP1	EX1-ODA1	10	2.58	0.49	6.36	8.88	11.23	8.04	11.23	14.20



LEGEND

- DRAINAGE AREA BOUNDARY
- Tc FLOW PATH
- FLOW DIRECTION
- COSA CITY LIMITS / ETJ BOUNDARY
- DRAINAGE POINT — DPx
- PROPOSED DRAINAGE AREA — PDAx
- OFFSITE DRAINAGE AREA — ODAx

SCALE: 1"=60'

0 60 120

MRW WORTHAM OAKS - FIREWORKS SUPERSTORE

E EVANS RD

SAN ANTONIO, TX 78261

EXISTING DRAINAGE AREA MAP

SHEET: EX #5

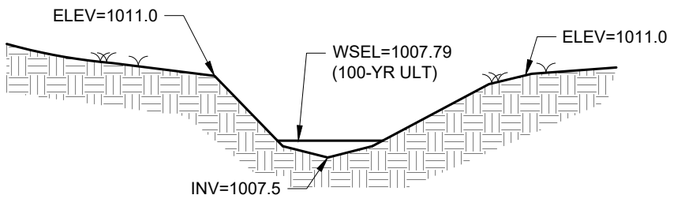
DATE: 12.30.2024

PROPOSED-ULTIMATE CONDITIONS CALCULATIONS

STUDY PT	AREA	Tc	AC.	C	I5	I25	I100	Q - 5 YR. (cfs)	Q - 25 YR. (cfs)	Q - 100 YR. (cfs)
	DA1	5	0.07	0.41	7.94	11.14	14.01	0.22	0.32	0.40
	DA2	5	0.17	0.41	7.94	11.14	14.01	0.55	0.78	0.98
	DA3	5	0.10	0.41	7.94	11.14	14.01	0.33	0.46	0.57
	DA4	10	1.15	0.50	6.36	8.88	11.23	3.66	5.11	6.46
	ODA1	8	1.09	0.59	6.87	9.61	12.16	4.42	6.18	7.82
DP1	DA1-ODA1	10	2.58	0.53	6.36	8.88	11.23	8.69	12.14	15.36

COMPARISON TABLE (DP1)

	Q - 5 YR. (cfs)	Q - 25 YR. (cfs)	Q - 100 YR. (cfs)
EXISTING	8.04	11.23	14.20
PRO/ULT	8.69	12.14	15.36
NET INCREASE	0.65	0.91	1.16



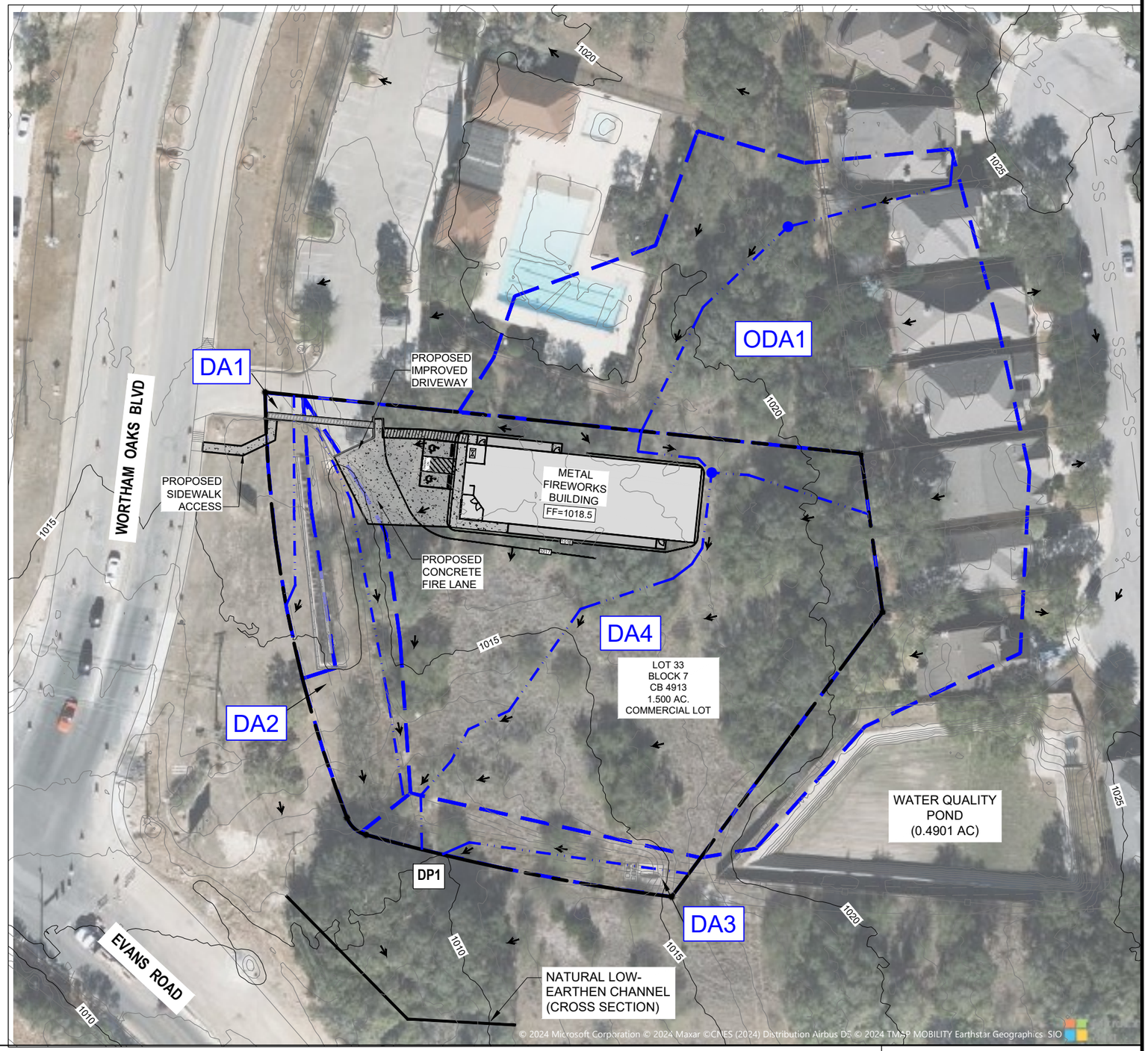
1 NATURAL LOW-EARTHEN CHANNEL
CROSS SECTION
N.T.S.

LEGEND

- DRAINAGE AREA BOUNDARY
- Tc FLOW PATH
- FLOW DIRECTION
- COSA CITY LIMITS / ETJ BOUNDARY
- DRAINAGE POINT — DPx
- EXISTING DRAINAGE AREA — EDAx
- PROPOSED DRAINAGE AREA — PDAx
- OFFSITE DRAINAGE AREA — ODAx

SCALE: 1"=60'

0 60 120

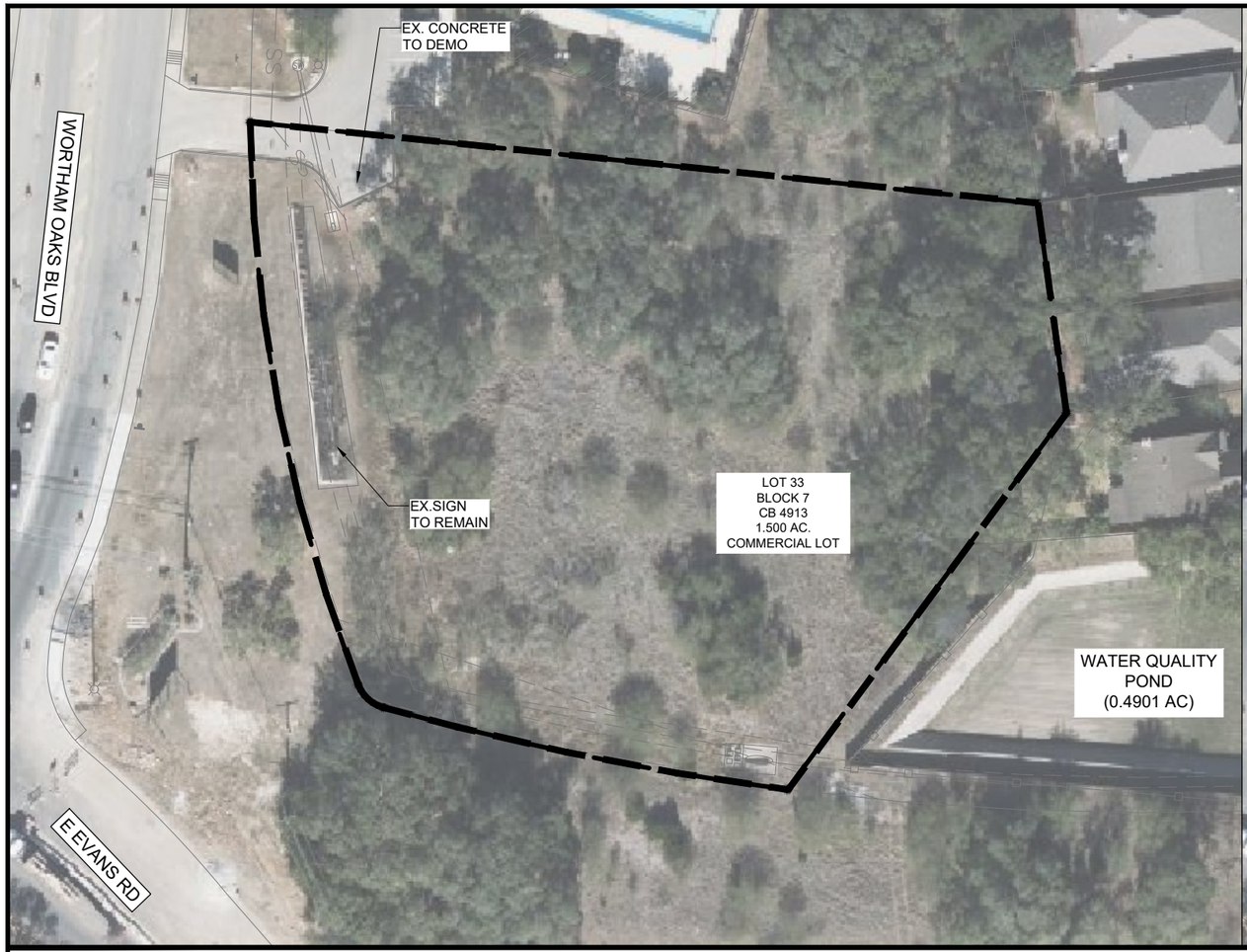


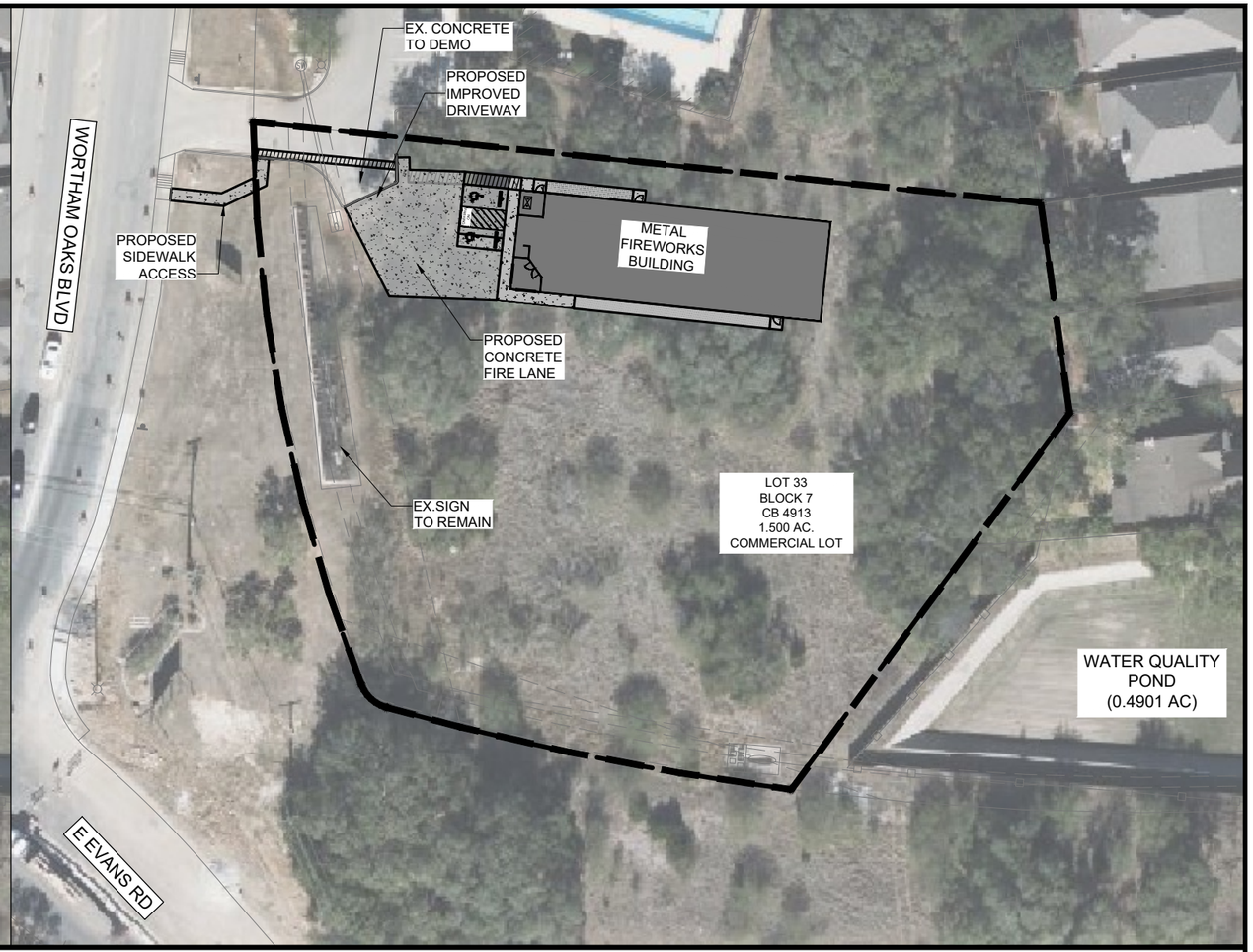
MRW WORTHAM OAKS - FIREWORKS SUPERSTORE

E EVANS RD

SAN ANTONIO, TX 78261

PRO/ULT DRAINAGE AREA MAP	
SHEET:	EX #6
DATE:	12.30.2024





EXISTING IMPERVIOUS COVER

EXISTING TOTAL IMPERVIOUS COVER AREA	
EX. FIREWORKS STANDS	0 SQ. FT.
EX. CONCRETE / ASPHALT	1,354 SQ. FT.
TOTAL	1,354 SQ. FT.
	0.031 AC (2.07% IMP. COVER)

*TOTAL LOT SIZE = 1.50 AC

N

SCALE: 1"=60'

0 60 120

PROPOSED IMPERVIOUS COVER

BUILDING

CONCRETE

PROPOSED TOTAL IMPERVIOUS COVER AREA	
METAL BUILDING	5,000 SF
CONCRETE DRIVE/ PARKING	4,400 SF
REMAINING CONCRETE SLAB	0 SF
TOTAL	9,400 SF = 0.216 AC
EXISTING IMPERVIOUS COVER AREA	1,354 SF = 0.031 AC
	*8,046 SF = 0.185 AC

TOTAL LOT SIZE = 1.50 AC

*INCREASE IN IMPERVIOUS COVER = 8,046 SF = 0.185 AC
TOTAL IMPERVIOUS COVER PERCENTAGE = 12.33%

MR. W FIREWORKS

MRW WORTHAM OAKS - FIREWORKS SUPERSTORE

E EVANS RD

SAN ANTONIO, TX 78261

IMPERVIOUS COVER AREA MAPS

SHEET: EX #8

DATE: 12.30.2024

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F-22385

January 14, 2025

MRW – SMITHSON VALLEY
WPAP SECTION (TCEQ-0584)

Attachment C – Suitability Letter fm an Authorized Agent

N/A

MR. W FIREWORKS, INC.
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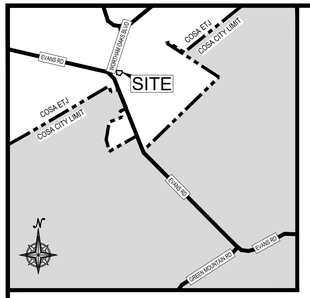
SOMERSET, TEXAS 78069
F-22385

January 14, 2025

MRW – SMITHSON VALLEY
WPAP SECTION (TCEQ-0584)

Attachment D – Exception to the required Geologic Assessment

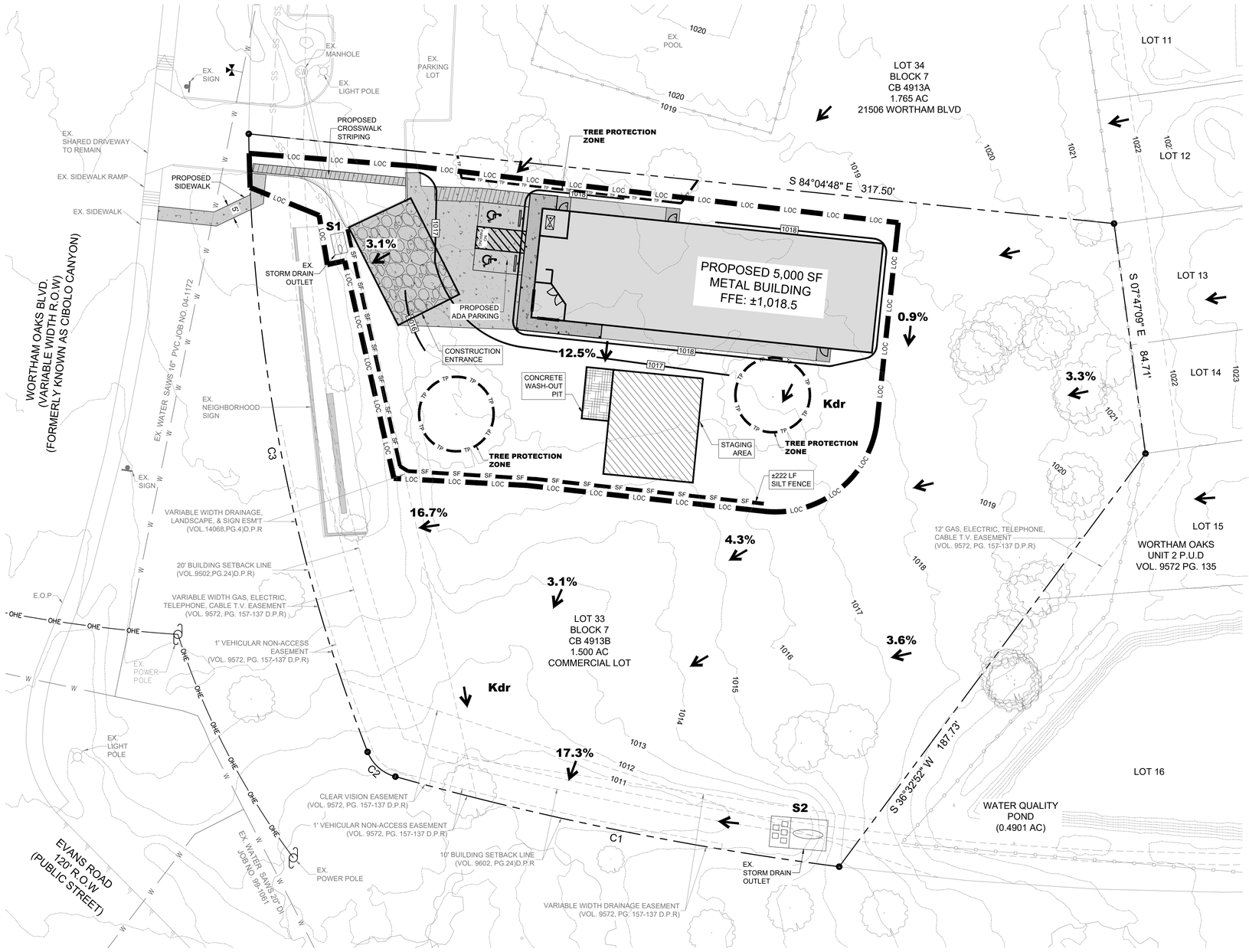
N/A



LOCATION MAP
NOT TO SCALE

LEGAL DESCRIPTION

LOT 33, BLK 7, CB 4913 (1.500 AC.)
WORTHAM OAKS AMENITY CENTER, P.U.D.
(VOL. 9602, PG. 24) D.P.R. BEXAR COUNTY



LEGEND

- SILT FENCE
- LIMITS OF CONSTRUCTION
- TREE PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE/EXIT
- STAGING AREA
- CONCRETE WASH-OUT PIT
- CONCRETE DRIVE
- CONCRETE FLAT WORK
- PROPOSED BUILDING
- EXISTING CONTOURS
- PROPOSED CONTOURS

GEOLOGIC LEGEND

Kdr - DEL RIO CLAY

S# - POTENTIAL RECHARGE FEATURE (PRF)

IMPERVIOUS COVER AREA			
SQ. FT. / ACRE	SQ. FT.	SQ. FT. / ACRE	ACRES
STRUCTURES / ROOFTOPS	5,000 SF	/ 43,560 =	.115 AC
PARKING	4,400 SF	/ 43,560 =	.101 AC
OTHER PAVED SURFACES	0 SF	/ 43,560 =	0.0 AC
TOTAL IMPERVIOUS COVER	9,400 SF	/ 43,560 =	.216 AC

9,400 SF = .216 AC
(12.33% OF TOTAL LOT)

* NOTE: ACTUAL LAYOUT DETERMINED IN FIELD. SHOULD BE PLACED IN THE PROXIMITY OF THE CONSTRUCTION ENTRANCE/EXIT AND NOT LOCATED NEAR A WELL, FLOODPLAIN, OR OTHER POTENTIAL SOURCES OF CONTAMINATION.

OWNER:

MR. W FIREWORKS, INC
12221 FM 476
SOMERSET, TEXAS 78069
P.O. BOX 114
SOMERSET, TEXAS 78069

MRW - WORTHAM OAKS
MR. W FIREWORKS SUPERSTORE
21502 WORTHAM OAKS BLVD
SAN ANTONIO, TX 78261

ENGINEER:

F-22385
MR. W FIREWORKS, INC
12221 FM 476
SOMERSET, TEXAS 78069
P.O. BOX 114
SOMERSET, TEXAS 78069

STATE OF TEXAS
JOSEPH E. TOBER
108918
LICENSED
PROFESSIONAL ENGINEER
1.16.2025

WATER POLLUTION ABATMENT PLAN

C2.1

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.

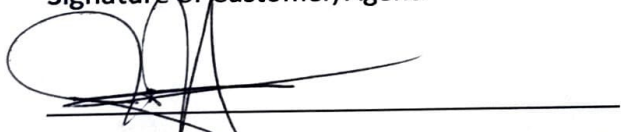
Signature

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: Javier Villafaña

Date: 01.14.2025

Signature of Customer/Agent:



Regulated Entity Name: MRW WORTHAM OAKS

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: Salado Creek

Temporary Best Management Practices (TBMPs)

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

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

☒ A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.

☒ A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.

☒ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.

☒ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.

8. ☒ The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.

☐ **Attachment E - Request to Temporarily Seal a Feature**. A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.

☒ There will be no temporary sealing of naturally-occurring sensitive features on the site.

9. ☒ **Attachment F - Structural Practices**. A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.

10. ☒ **Attachment G - Drainage Area Map**. A drainage area map supporting the following requirements is attached:

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.

☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.

☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

☒ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.

11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations**. Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.

☒ N/A

12. ☒ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.

13. ☒ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.

14. ☒ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).

15. ☒ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.

16. ☒ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

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

18. ☒ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

19. ☒ Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

20. ☒ All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.

21. ☒ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.

22. ☒ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

MR. W FIREWORKS, INC.
P.O. BOX 114
SOMERSET, TEXAS 78069
F-22385

January 14, 2025

Attachment A- Spill Response Actions

1.4.16 Spill Prevention and Control

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

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

Education

(1) Be aware that different materials pollute in different amounts. Make sure that each employee knows what a "significant spill" is for each material they use, and what is the appropriate response for "significant" and "insignificant" spills. Employees should also be aware of when spill must be reported to the TCEQ. Information available in 30 TAC 327.4 and 40 CFR 302.4.

(2) Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.

(3) Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).

(4) Establish a continuing education program to indoctrinate new employees.

(5) Have contractor's superintendent or representative oversee and enforce proper spill prevention and control measures.

General Measures

(1) To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately

(2) Store hazardous materials and wastes in covered containers and protect from vandalism.

(3) Place a stockpile of spill cleanup materials where it will be readily accessible.

(4) Train employees in spill prevention and cleanup.

(5) Designate responsible individuals to oversee and enforce control measures.

(6) Spills should be covered and protected from stormwater run-off during rainfall to the extent that it doesn't compromise cleanup activities.

(7) Do not bury or wash spills with water.

(8) Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.

(9) Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.

(10) Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.

(11) Place Material Safety Data Sheets (MSDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.

(12) Keep waste storage areas clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

Cleanup
(1) Clean up leaks and spills immediately.

(2) Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.

(3) Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMPs in this section for specific information.

Minor Spills
(1) Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.

(2) Use absorbent materials on small spills rather than hosing down or burying the spill.

(3) Absorbent materials should be promptly removed and disposed of properly.

(4) Follow the practice below for a minor spill:

(5) Contain the spread of the spill.

(6) Recover spilled materials.

(7) Clean the contaminated area and properly dispose of contaminated materials.

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

Spills should be cleaned up immediately:

(1) Contain spread of the spill.

(2) Notify the project foreman immediately.

(3) If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.

(4) If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.

(5) If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills
For significant or hazardous spills that are in reportable quantities:

(1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.

(2) For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.

(3) Notification should first be made by telephone and followed up with a written report.

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

(5) Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc. More information on spill rules and appropriate responses is available on the TCEQ website at:
http://www.tnrcc.state.tx.us/enforcement/emergency_response.html

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

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

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

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

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

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

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

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

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

Vehicle and Equipment Fueling

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

(2) Discourage “topping off” of fuel tanks.

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

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F-22385

January 14, 2025

Attachment B- Potential Sources of Contamination

Potential sources of contamination from the construction site that may be expected to affect the quality of storm water discharges of said site include:

a) Soil erosion due to clearing of site for drainage and pavement
b) Oil, grease, fuel & hydraulic fluid contamination from construction vehicle drippings
c) Miscellaneous trash and litter from construction workers and material wrappings
d) Construction debris
e) Concrete truck washout
f) Hydrocarbons from asphalt paving operations

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Attachment C – Sequences of Major Activities

Major activities for proposed site include:

Implement BMP's: Week 1

- Installation of temporary construction entrance/exit. *(1,000 SF)*
- Installation of erosion and sedimentation controls. *Silt Fence (250 LF)*

Construction of building and site work: (Week 2-6)

- Gravel placement and tree removal.
- Installation of underground and overhead utilities.
- Construction of metal firework super store.
- Installation of concrete drive and parking.

Site Stabilization (Week 6-8)

Removal of temporary erosion and sedimentation controls (Week 9-10)

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Attachment D – Temporary Best Management Practices and Measures

Stabilized Construction Entrance/Exit

Timing - will install fencing at the beginning of construction, prior to any site work, and will remove at the conclusion of all site work activity.

This BMP will prevent pollution by removing dust, rocks, and other construction debris which is carried on the construction vehicles from entering the right-of-way and potentially draining into the aquifer.

Silt Fence

Timing – will be put in place at the beginning of construction, prior to any site work, will be removed at the conclusion of all site work activity

The silt fence will capture potentially contaminated excess sediment prior to running off site. The excess sediment will be removed periodically as described within this plan.

Concrete Washout Pit

Timing – will be put in place at the beginning of construction, prior to any concrete pour, will be removed at the conclusion of all concrete work

The concrete washout areas will prevent or reduce the discharge of pollutants to stormwater from concrete waste by conducting washout offsite, performing onsite washout in a designated area, and training employees and subcontractors

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Attachment E – Request to Temporary Seal a Feature

N/A

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January 14, 2025

Attachment F – Structural Practices

The following structural measures will be installed prior to the initiation of site preparation activities:

- Placement of silt fences on property
- Installation of temporary stabilized construction entrance/exit
- Concrete washout pit will be put in place at the beginning of construction.

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Attachment G – Drainage Area Map

No more than ten (10) acres will be distributed within a common drainage area at one time as construction of civil infrastructure (utilities, roads, drainage, etc.) will be concurrent with preceding building construction. TBMPs will be utilized for sediment control and are adequate for the drainage areas they serve.

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January 14, 2025

MRW WORTHAM OAKS
TEMPORARY STORM WATER SECTON (TCEQ-0602)

Attachment H – Temporary Sediment Pond(s) Plans and Calculations

N/A

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January 14, 2025

Attachment I – Inspection and Maintenance for BMPs

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 Storm Water TPDES data for a period of three years after the date of the inspection. A copy of the Inspection Report Form is provided in this Storm Water Pollution Prevention Plan.

As a minimum, the inspector shall observe:

1. Significant disturbed areas for evidence of erosion.
2. Storage areas for evidence of leakage from the exposed stored materials,
3. Structural controls (rock berm outlets, silt fences, drainage swales, etc.) for evidence of failure or excess siltation (over 6 inches deep).
4. Vehicle exit point for evidence of off-site sediment tracking.
5. Vehicle storage areas for signs of leaking equipment or spills.
6. Concrete truck rinse-out pit for signs of potential failure.

Contractor shall review Sections 1.3 and 1.4 of TCEQ's Technical Guidance Manual for additional BMP inspection and maintenance requirements.

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January 14, 2025

Attachment J
Schedule of Interim and Permanent Soil Stabilization Practices

Stabilization measures will be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased and will be initiated no more than 14 says after the construction in that area has ceased.

At the completion of construction all disturbed areas will be permanently stabilized with sod or other permanent ground cover as directed by the Landscape Architect.

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.

Site Stabilization

Removing the vegetative cover and altering the soil structure by clearing, grading, and compacting the surface increases an area's susceptibility to erosion. Apply stabilizing measures as soon as possible after the land is disturbed (Figure 1-5). Plan and implement temporary or permanent vegetation, mulches, or other protective practices to correspond with construction activities. Protect channels from erosive forces by using protective linings and the appropriate channel design. Consider possible future repairs and maintenance of these practices in the design.

Seeding establishes a vegetative cover on disturbed areas. Seeding is very effective in controlling soil erosion once a vegetative cover of about 80% has been established. However, often seeding and fertilizing do not produce as thick a vegetative cover as do seed and mulch or netting. Newly established vegetation does not have as extensive a root system as existing vegetation and therefore is more prone to erosion, especially on steep slopes. Care should be taken when fertilizing to avoid untimely or excessive application. Since the practice of seeding and fertilizing does not provide any protection during the time of vegetative establishment, it should be used only on favorable soils in very flat areas and not in sensitive areas.

The management of land by using ground cover reduces erosion by reducing the flow rate of runoff and the raindrop impact. Bare soils should be seeded or otherwise stabilized within 14 calendar days after final grading or where construction activity has temporarily ceased for more than 21 days. In very flat, non-sensitive areas with favorable soils, stabilization may involve simply seeding and fertilizing. Mulch and/or sod may be necessary on steeper slopes, for erodible soils, and near sensitive areas. Sediment that has escaped the site due to the failure of sediment and erosion controls

should be removed as soon as possible to minimize offsite impacts. Permission should be obtained from adjacent landowners prior to offsite sediment removal.

Mulching/mats can be used to protect the disturbed area while vegetation becomes established. Mulching involves applying plant residues or other suitable materials on disturbed soil surfaces. Mulches/mats used include tacked straw, wood chips, and jute netting and are often covered by blankets or netting. Mulching alone should be used only for temporary protection of the soil surface or when permanent seeding is not feasible. The useful life of mulch varies with the material used and the amount of precipitation, but is approximately 2 to 6 months.

During times of year when vegetation cannot be established, soil mulching should be applied to moderate slopes and soils that are not highly erodible. On steep slopes or highly erodible soils, multiple mulching treatments should be used. Interlocking ceramic materials, filter fabric, and netting are available for this purpose. Before stabilizing an area, it is important to have installed all sediment controls and diverted runoff away from the area to be planted. Runoff may be diverted away from denuded areas or newly planted areas using dikes, swales, or pipe slope drains to intercept runoff and convey it to a permanent channel or storm drain. Reserved topsoil may be used to revegetate a site if the stockpile has been covered and stabilized.

Consideration should be given to maintenance when designing mulching and matting schemes. Plastic nets are often used to cover the mulch or mats; however, they can foul lawn mower blades if the area requires mowing.

Sod can be used to permanently stabilize an area. Sodding provides immediate stabilization of an area and should be used in critical areas or where establishment of permanent vegetation by seeding and mulching would be difficult. Sodding is also a preferred option when there is high erosion potential during the period of vegetative establishment from seeding.

Because of the hardy drought-resistant nature of wildflowers, they may be more beneficial as an erosion control practice than turf grass. While not as dense as turfgrass, wildflower thatches and associated grasses are expected to be as effective in erosion control and contaminant absorption. Because thatches of wildflowers do not need fertilizers, pesticides, or herbicides, and the need for watering is minimal, implementation of this practice may result in cost savings. In 1987, Howard County, Maryland, spent $690.00 per acre to maintain turfgrass areas, compared to only $31.00 per acre for wildflower meadows. A wildflower stand requires several years to become established; however, maintenance requirements are minimal once the area is established.

PROJECT MILESTONE DATES

Dates when major site grading activities begin:

Construction Activity	Date

Dates when construction activities temporarily or permanently cease on all or a portion of the project:

Construction Activity	Date

Dates when stabilization measures are initiated:

Stabilization Activity	Date

ON-SITE MATERIALS LIST

List construction and waste materials to be stored on-site. This list is to be kept current and updated. (Examples: topsoil, gravel, sand, base, excess material to be hauled off, demolition or construction waste, bulk chemicals, fuel, lubricants, etc.)

Mr. W Fireworks

Responsible Party Form

Pollution Prevention Measure		Responsible party Name and Phone Number								
General	Revegetation									
	Erosion/Sedimentation Controls									
	Vehicle Exits									
	Material Areas									
	Equipment Areas									
	Concrete Rinse									
	Construction Debris									
	Trash Receptacles									
Infrastructure	Site Clearing									
	Utility Clearing									
	Site Grading									
	Utility Construction									
	Drainage Construction									
	Asphalt Base									
	Asphalt Surface									
	Site Cleanup									

Identify responsible parties and indicate responsible party for each pollution prevention item listed above by marking an X under the Responsible Party Name.

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.

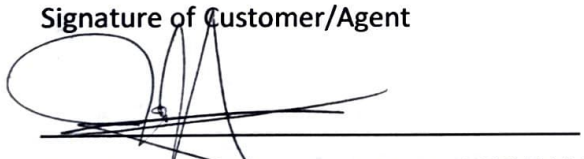
Signature

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: Javier Villafaña

Date: 01.14.2025

Signature of Customer/Agent



Regulated Entity Name: MRW WORTHAM OAKS

Permanent Best Management Practices (BMPs)

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

1. ☐ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.

   ☒ N/A

2. ☐ 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

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F-22385

January 15, 2025

Attachment A – 20% or Less Impervious Cover Waiver

The proposed improvements for the project results in 12.33% post-development impervious cover, which is less than the 20% impervious cover where Permanent BMP's are required to treat storm water runoff. There are no Permanent BMP's proposed for this project.

Team Kam Enterprises. LTD. Is a small business with less than 100 employees and grosses less than $1 million dollars annually.

Therefore, Team Kam Enterprises, LTD requests a waiver from the requirements for other permanent BMP's as the total impervious cover is less than 20%.

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F-22385

August 7, 2023

Attachment B – BMPs for Up Gradient Storm Water

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.

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F-22385

January 14, 2025

Attachment C – BMPs for On-site Storm Water

The overall post-project impervious cover is less than the 20%, therefore no Permanent Best Management Practices are required to treat on-site runoff.

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F-22385

January 14, 2025

Attachment D – BMPs for Surface Streams

The proposed development is less than 20% impervious cover, therefore no Permanent BMP's are required to treat on-site runoff.

According to the geologic assessment, there are no sensitive features on this site.

MR. W FIREWORKS, INC.
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F-22385

January 14, 2025

Attachment E – Request to Seal Features

N/A

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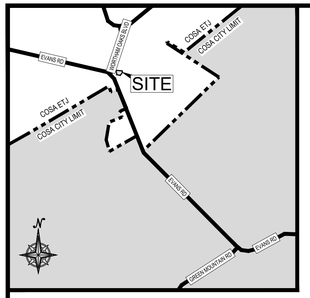
January 14, 2025

Attachment F – Construction Plans

See attached Construction Plans.



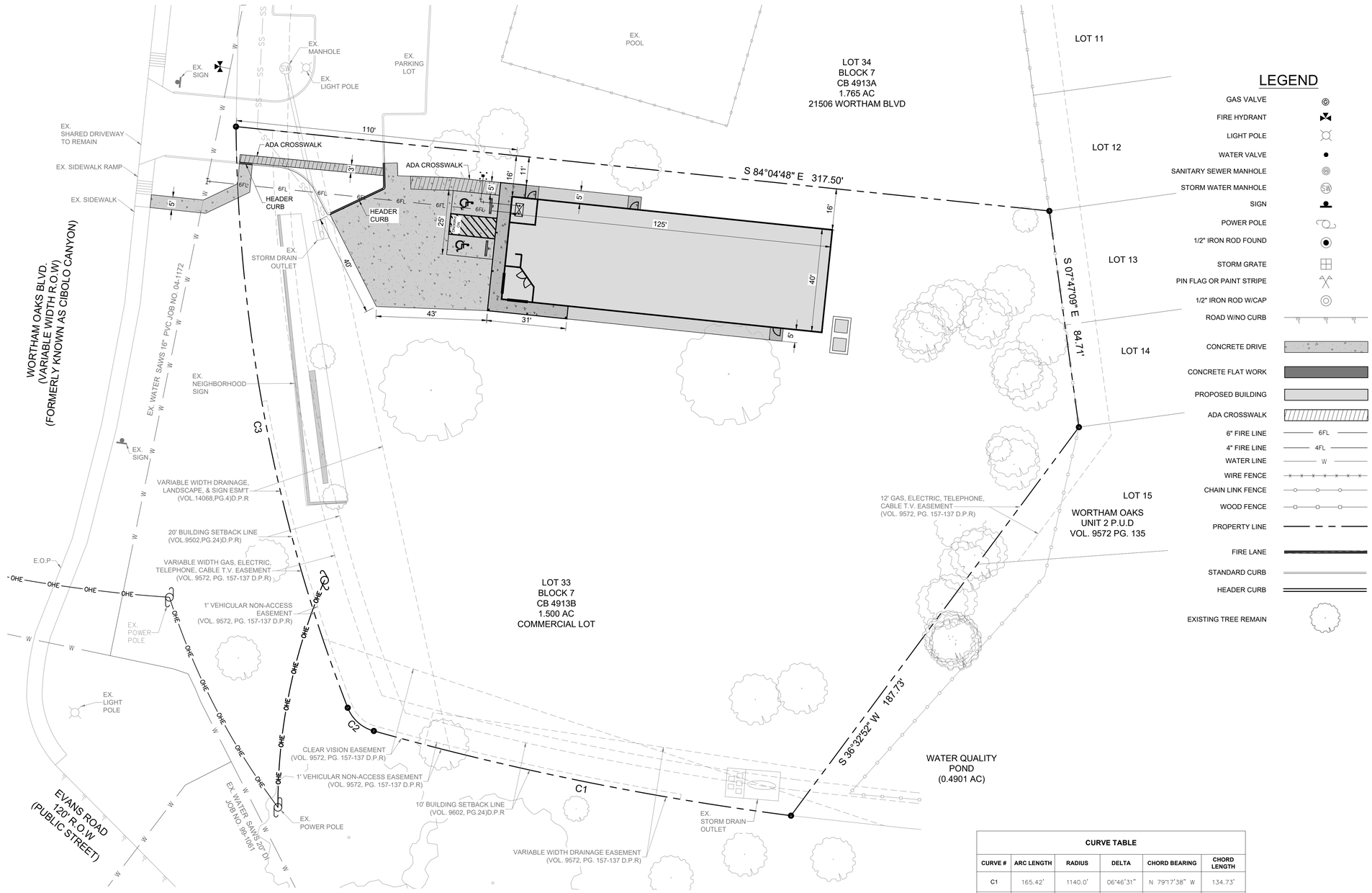
LOCATION MAP
NOT TO SCALE

LEGAL DESCRIPTION

LOT 33, BLK 7, CB 4913 (1.500 AC.)
WORTHAM OAKS AMENITY CENTER, P.U.D.
(VOL. 9602, PG. 24) D.P.R. BEXAR COUNTY

OWNER/DEVELOPER:
TEAM KAM ENTERPRISES, LTD.
12221 FM 476
SOMERSET, TEXAS 78069

SCALE: 1"=20'
0 10 20



CURVE TABLE					
CURVE #	ARC LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	165.42'	1140.0'	06°46'31"	N 79°17'38" W	134.73'
C2	14.08'	15.0'	53°46'32"	N 48°22'07" W	13.57'
C3	230.98'	640.0'	20°40'42"	N 10°53'00" W	229.73'

LEGEND

- GAS VALVE
- FIRE HYDRANT
- LIGHT POLE
- WATER VALVE
- SANITARY SEWER MANHOLE
- STORM WATER MANHOLE
- SIGN
- POWER POLE
- 1/2" IRON ROD FOUND
- STORM GRATE
- PIN FLAG OR PAINT STRIPE
- 1/2" IRON ROD W/CAP
- ROAD W/NO CURB
- CONCRETE DRIVE
- CONCRETE FLAT WORK
- PROPOSED BUILDING
- ADA CROSSWALK
- 6" FIRE LINE — 6FL
- 4" FIRE LINE — 4FL
- WATER LINE — W
- WIRE FENCE
- CHAIN LINK FENCE
- WOOD FENCE
- PROPERTY LINE
- FIRE LANE
- STANDARD CURB
- HEADER CURB
- EXISTING TREE REMAIN

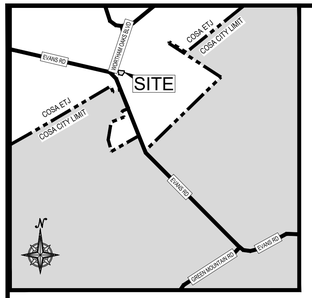
OWNER:
MR. W FIREWORKS, INC
12221 FM 476
SOMERSET, TEXAS 78069
P.O. BOX 114
SOMERSET, TEXAS 78069

MRW - WORTHAM OAKS
MR. W FIREWORKS SUPERSTORE
21502 WORTHAM OAKS BLVD
SAN ANTONIO, TX 78261

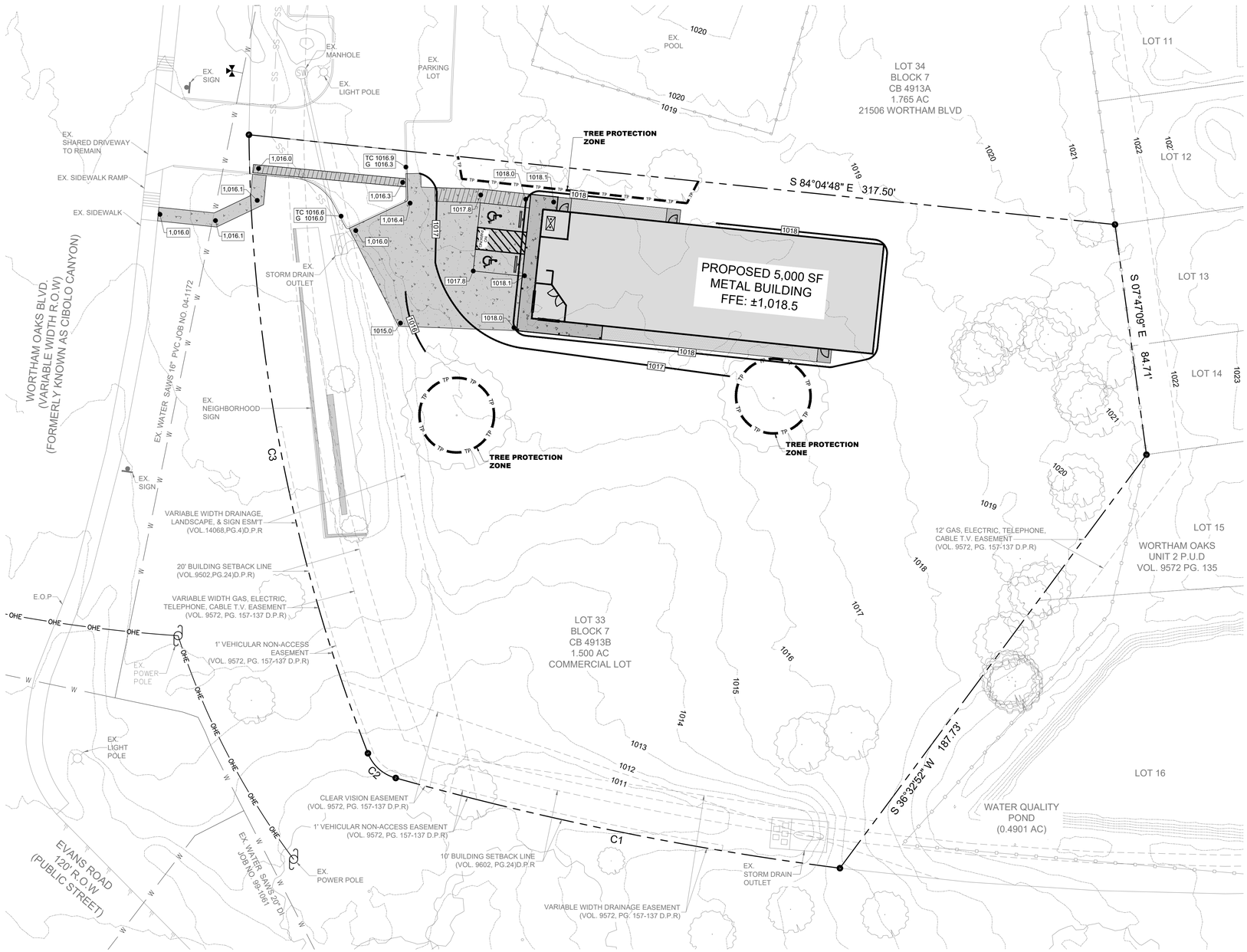
ENGINEER:
F-22385
MR. W FIREWORKS, INC
12221 FM 476
SOMERSET, TEXAS 78069
P.O. BOX 114
SOMERSET, TEXAS 78069

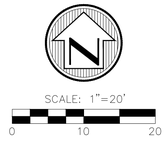
STATE OF TEXAS
JOSEPH E. TOBER
168918
LICENSED
PROFESSIONAL ENGINEER
1.16.2025

SITE PLAN
C2.0



LOCATION MAP
NOT TO SCALE





LEGEND

- GAS VALVE
- FIRE HYDRANT
- LIGHT POLE
- WATER VALVE
- SANITARY SEWER MANHOLE
- STORM WATER MANHOLE
- SIGN
- POWER POLE
- 1/2" IRON ROD FOUND
- STORM GRATE
- PIN FLAG OR PAINT STRIPE
- 1/2" IRON ROD W/CAP
- ROAD W/NO CURB
- CONCRETE DRIVE
- CONCRETE FLAT WORK
- PROPOSED BUILDING
- ADA CROSSWALK
- 6" FIRE LINE (6FL)
- 4" FIRE LINE (4FL)
- WATER LINE (W)
- WIRE FENCE
- CHAIN LINK FENCE
- WOOD FENCE
- PROPERTY LINE
- FIRE LANE
- STANDARD CURB
- HEADER CURB
- EXISTING TREE REMAIN
- EXISTING CONTOURS (1172)
- PROPOSED CONTOURS (801)
- PROPOSED SPOT GRADES (TC 931.5 G 931.0)

OWNER:

MR. W FIREWORKS, INC
12221 FM 476
SOMERSET, TEXAS 78069
P.O. BOX 114
SOMERSET, TEXAS 78069

MRW - WORTHAM OAKS
MR. W FIREWORKS SUPERSTORE

21502 WORTHAM OAKS BLVD
SAN ANTONIO, TX 78261

ENGINEER:

F-22385
MR. W FIREWORKS, INC
12221 FM 476
SOMERSET, TEXAS 78069
P.O. BOX 114
SOMERSET, TEXAS 78069

STATE OF TEXAS
JOSEPH E. TOBER
108918
LICENSED
PROFESSIONAL ENGINEER
1.16.2025

GRADING PLAN

C3.0

MR. W FIREWORKS, INC.
P.O. BOX 114
SOMERSET, TEXAS 78069
F-22385

January 14, 2025

Attachment G – Inspection, Maintenance, Repair, and Retrofit Plan

N/A

MR. W FIREWORKS, INC.
P.O. BOX 114
SOMERSET, TEXAS 78069
F-22385

January 14, 2025

MRW WORTHAM OAKS
PERMANENT STORM WATER SECTION (TCEQ-0600)

Attachment H – Pilot-Scale Field Testing Plan

N/A

MR. W FIREWORKS, INC.
P.O. BOX 114
SOMERSET, TEXAS 78069
F-22385

January 14, 2025

MRW WORTHAM OAKS
PERMANENT STORM WATER SECTION (TCEQ-0600)

Attachment I – Measures for Minimizing Surface Stream Contamination

Any discharge from the disturbed area will drain to existing vegetation prior to exiting the site to existing infrastructure downstream.

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

I Wayne Wildman
Print Name

President,
Title - Owner/President/Other

of Team KAM Enterprises Ltd.
Corporation/Partnership/Entity Name

have authorized Javier Villafaña
Print Name of Agent/Engineer

of Mr. W Fireworks, Inc.
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:

Wayne Wildman
Applicant's Signature

JAN - 16TH - 2025
Date

THE STATE OF Texas §

County of ____ §

BEFORE ME, the undersigned authority, on this day personally appeared Wayne Wildman 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 16 day of January, 2025.

NOTARY PUBLIC

Typed or Printed Name of Notary

WINTON ROBERSON
Notary Public, State of Texas
Comm. Expires 12-18-2028
Notary ID 126290716

MY COMMISSION EXPIRES: _____

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: MRW WORTHAM OAKS
Regulated Entity Location: 21502 Wortham Oaks Blvd., San Antonio, TX 78261
Name of Customer: Mr. W Fireworks, Inc.
Contact Person: Javier Villafaña Phone: (210)622-3112
Customer Reference Number (if issued):CN 606166502
Regulated Entity Reference Number (if issued):RN _____

Austin Regional Office (3373)

☐ Hays ☐ Travis ☐ Williamson

San Antonio Regional Office (3362)

☒ Bexar ☐ Medina ☐ Uvalde
☐ Comal ☐ Kinney

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

☐ Austin Regional Office
☐ Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☒ San Antonio Regional Office
☐ Overnight Delivery to: TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
(512)239-0357

Site Location (Check All That Apply):

☒ Recharge Zone ☐ Contributing Zone ☐ Transition Zone

Type of Plan	***Size***	***Fee Due***
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	1.5 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: 01/16/25

Application Fee Schedule

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

TCEQ Core Data Form

TCEQ Use Only

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 606166502		RN

SECTION II: Customer Information

4. General Customer Information	5. Effective Date for Customer Information Updates (mm/dd/yyyy)	01/15/2025

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

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

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

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*	*If new Customer, enter previous Customer below:*

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
			N/A

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

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

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

13. Independently Owned and Operated?
☐ **Yes** ☐ **No**

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

☐ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address:							
	City		State		ZIP	ZIP + 4	

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
( ) -		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (*If 'New Regulated Entity" is selected below this form should be accompanied by a permit application*)

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

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

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

MRW WORTHAM OAKS

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	21502 Wortham Oaks Blvd.							
	City	San Antonio	**State**	TX	**ZIP**	78261	**ZIP + 4**	
24. County	Bexar							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	

26. Nearest City	**State**	**Nearest ZIP Code**
San Antonio	TX	78261

27. Latitude (N) In Decimal:	29.690026	**28. Longitude (W) In Decimal:**	-98.442034

Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	38	27.04	-98	22	39.55

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)
5092	5999	423920	453998

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

Commercial Firework Super Store

34. Mailing Address:	**P.O. Box 114**							
	City	**Somerset**	**State**	**TX**	**ZIP**	**78069**	**ZIP + 4**	

35. E-Mail Address:	

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(210) 622-3112		**( ) -**

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

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

SECTION IV: Preparer Information

40. Name:	Javier Villafaña	**41. Title:**	Project Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(210) 622-3112		( ) -	javier@mrwfireworks.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:	Mr. W Fireworks	**Job Title:**	President
Name *(In Print):*	Wayne Wildman	**Phone:**	**(210) 622- 3112**

Signature:	Wayne Wildman	Date:	JAN 16th 2025