

F-22385

MR. W FIREWORKS SUPERSTORE MRW BLANCO WATER POLLUTION ABATEMENT PLAN

23306 Blanco Road San Antonio, Texas 78260

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

- 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 Smithson Valley				2. Regulated Entity No.:				
3. Customer Name: Mr. W Fireworks, Inc.			4. Customer No.: CN600916548					
5. Project Type: (Please circle/check one)	New	Modif	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. Sit	e (acres):	2.5 AC
9. Application Fee:	\$4,000	10. Permanent I			BMP(s	s):	SF BASIN, VFS	
11. SCS (Linear Ft.):	N/A	12. AST/UST (No			o. Tar	ıks):	N/A	
13. County:	Bexar	14. Watershed:					SALADO CREE	K

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%2oGWCD%2omap.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 AuthorityBarton Springs/ Edwards AquiferHays TrinityPlum Creek	Barton Springs/ Edwards Aquifer	NA		
City(ies) Jurisdiction	AustinBudaDripping SpringsKyleMountain CitySan MarcosWimberleyWoodcreek	AustinBee CavePflugervilleRollingwoodRound RockSunset ValleyWest Lake Hills	AustinCedar ParkFlorenceGeorgetownJerrellLeanderLiberty HillPflugervilleRound 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 HillsFair Oaks RanchHelotesHill Country VillageHollywood 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.
Print Name of Cystomey/Authorized Agent
Print Name of Customer/Authorized Agent
Joseph & De 7/19/23
Signature of Customer/Authorized Agent Date

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 F	No. AR Rounds:	
Delinquent Fees (Y/N):	Review T	Review Time Spent:	
Lat./Long. Verified:	SOS Cus	SOS Customer Verification:	
Agent Authorization Complete/Notarized (Y/N):	Fee	Payable to TCEQ (Y	//N):
Core Data Form Complete (Y/N):	Check:		
Core Data Form Incomplete Nos.:		Less than 90 days old (Y/N):	



GENERAL INFORMATION SECTION

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: Joseph E. Tober, P.E. Date: 07.19.2023 Signature of Customer/Agent: Project Information 1. Regulated Entity Name: MRW Blanco 2. County: Bexar County 3. Stream Basin: Panther Springs Creek (Salado Creek Watershed) 4. Groundwater Conservation District (If applicable): EAA/Trinity Rose Glen GCD 5. Edwards Aquifer Zone: Recharge Zone Transition Zone 6. Plan Type: **⋈ WPAP** AST **UST** SCS Modification **Exception Request**

7.	Customer (Applicant):	
	Contact Person: Wayne Wildman Entity: Mr. W Fireworks, Inc. Mailing Address: P.O. Box 114 City, State: Somerset, TX Telephone: (210)622-3112 Email Address: wildmans@flash.net	Zip: <u>78069</u> FAX:
8.	Agent/Representative (If any):	
	Contact Person: <u>Joseph E. Tober, P.E.</u> Entity: <u>Mr. W Fireworks, Inc.</u> Mailing Address: <u>P.O. Box 114</u> City, State: <u>Somerset, TX</u> Telephone: <u>(210)622-3112</u> Email Address: <u>joseph@mrwfireworks.ce</u>	Zip: <u>78069</u> FAX: <u>om</u>
9.	Project Location:	
	 ☐ The project site is located inside the ☐ The project site is located outside the jurisdiction) of San Antonio. ☐ The project site is not located within 	e city limits but inside the ETJ (extra-territorial
10.		cribed below. The description provides sufficient Regional staff can easily locate the project and site
	23306 Blanco Road	
	1604. Travel west on Loop 1604	th on Judson Road approximately 3.0 miles to Loop approximately 6.4 mile to the exit for Blanco ag Blanco Road for 3.7 miles to destination which of the road.
11.		map showing directions to and the location of the ocation and site boundaries are clearly shown on
12.		harge Zone Map. A copy of the official 7 ½ minute 000') of the Edwards Recharge Zone is attached.
		e (and Transition Zone, if applicable). ite 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.
\boxtimes	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. Exi	sting 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:
Proh	nibited Activities
16. 🔀	I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:
	/1\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

- (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. \boxtimes 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
 - /2) Now reversional called waste landfill facilities required to most and comply with Type I.

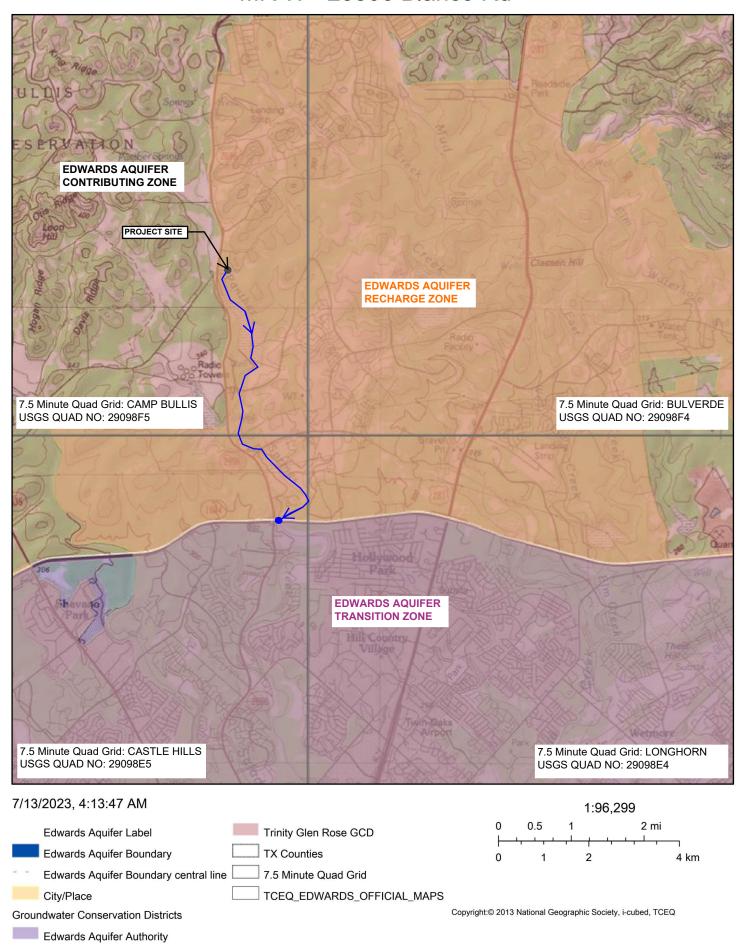
standards which are defined in §330.41 (b), (c), and (d) of this title.
Administrative Information
18. The fee for the plan(s) is based on:
 For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur. For an Organized Sewage Collection System 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.



LOCATION MAP

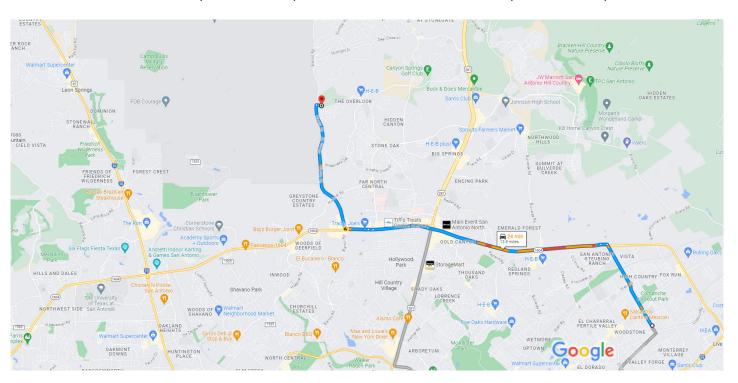
NOT TO SCALE

MR W - 23306 Blanco Rd



Google Maps

Texas Commission-Environmental, 14250 Judson Drive 13.8 miles, 24 min Rd, San Antonio, TX 78233 to 23306 Blanco Rd, San Antonio, TX 78260



Map data ©2023 Google 1 mi **L**

⚠ This route has restricted usage or private roads.

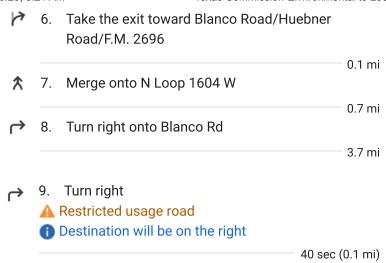
Texas Commission-Environmental 14250 Judson Rd, San Antonio, TX 78233

Continue to Judson Rd

↑	1.	Head southeast toward Judson Rd	16 sec (200 ft)
		Turn right toward Judson Rd	115 ft
			85 ft

Follow Judson Rd, TX-1604 Loop W and Blanco Rd to your destination

desti	nati	on
		20 min (13.6 mi)
ightharpoons	3.	Turn right onto Judson Rd
	f mi	Pass by AutoZone Auto Parts (on the right in 0.6
		2.6 mi
\leftarrow	4.	Use the left lane to turn left onto N Loop 1604 E
		0.2 mi
*	5.	Use the left lane to take the ramp onto TX-1604 Loop W
		6.4 mi



23306 Blanco Rd San Antonio, TX 78260







Existing Development:

MRW Blanco is a 2.5-acre tract of undeveloped cleared and grading land located at 2330 Blanco Road on the single commercial lot within the City of San Antonio ETJ. The 2.5 acre site was previously part of an overall 5.006 acre single family lot that included an existing concrete driveway path from Blanco Road to the single family residence in the rear of the overall 5.006 acre lot. The proposed project has subdivided the overall tract into a 2.5 acre tract primarily located near Blanco Road with the remaining 2.506 acre tract to include a flag lot to Blanco and leave the existing residential structure alone. 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 southwest corner of the property to a drainage swale along Blanco Road.

The site has numerous large significant and heritage trees with some previous clearing work and gravel placement along the street right of way. Unknown why the previous owner added the gravel. The property currently has 1.28 acre of impervious cover on the ground with the concrete driveway path and the gravel parking lot. This impervious cover adds up to 51.17% impervious cover over the 2.5 acre tract.

Here is a timeline of the property development associated with the following images:

- 1957 Single Family home constructed in the adjacent 2.506 acre tract
- **1977 Aerial** Existing single family home and impervious cover driveway from Blanco to the residence visible.
- Jan 1995 Gravel and vehicles parked along the front area
- **Sept 2002** Gravel and clearing/grading activities
- **Jan 2010** Gravel and clearing/grading activities
- Dec 2015 Numerous vehicles parked
- Oct 2019 Numerous vehicles parked
- March 2021 Mr. W Fireworks, Inc. purchases property
- Oct 2021 Fireworks stands located on existing gravel near the driveway



Proposed Development:

The proposed project is to construct a 5,025 SF metal fireworks retail indoor building and utilize the existing gravel parking lot. In addition to this construction, the owner will construct a sand filter water quality basin and an engineered vegetative filter strip to remove TSS load generated from the gravel parking lot and proposed building impervious cover of the building. The project will include a total of 0.82 AC of impervious over the 2.5 ac tract. This will require that areas of gravel to be removed and vegetated with sod/soil.

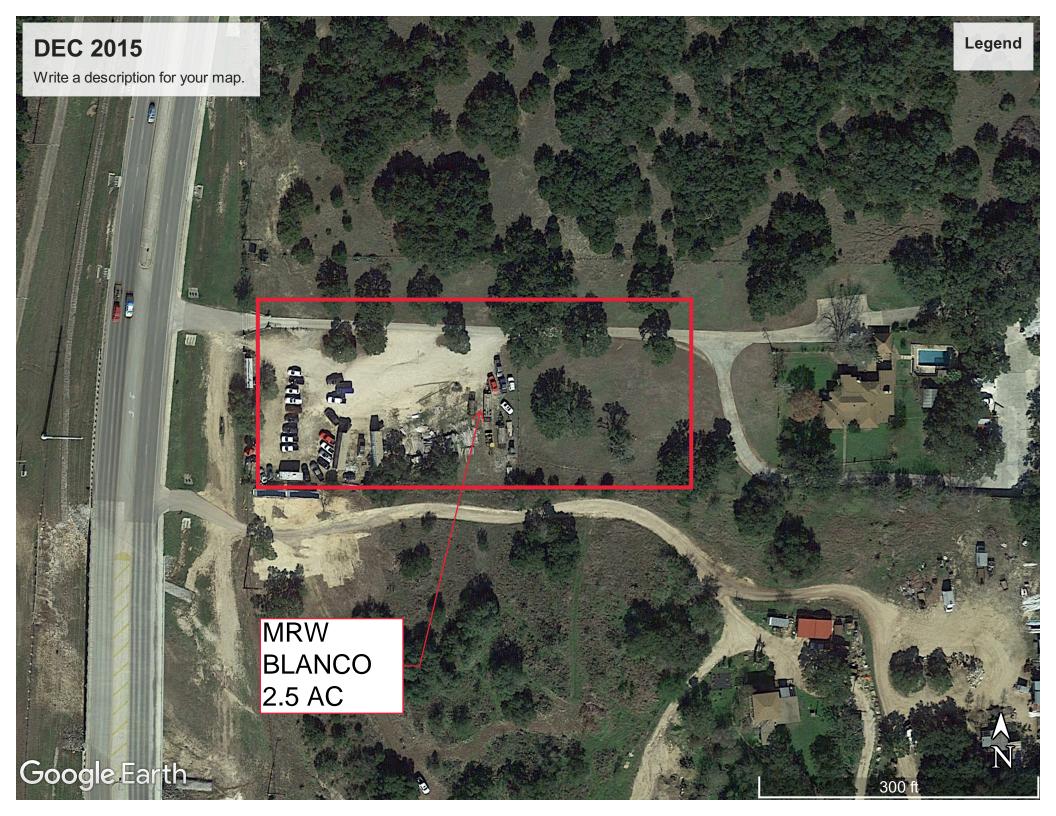
As stated within the Permanent Stormwater section, we are installing permanent BMP's to treat the impervious cover area that was previously added at some time prior to 2002 by the previous owner of the overall single family residential property. The total impervious cover is being reduced 32.8% of the site for the tract. Please note that the San Antonio Water System has determined this is a Category 3 site, therefore additional impervious cover will not be allowed in the future.



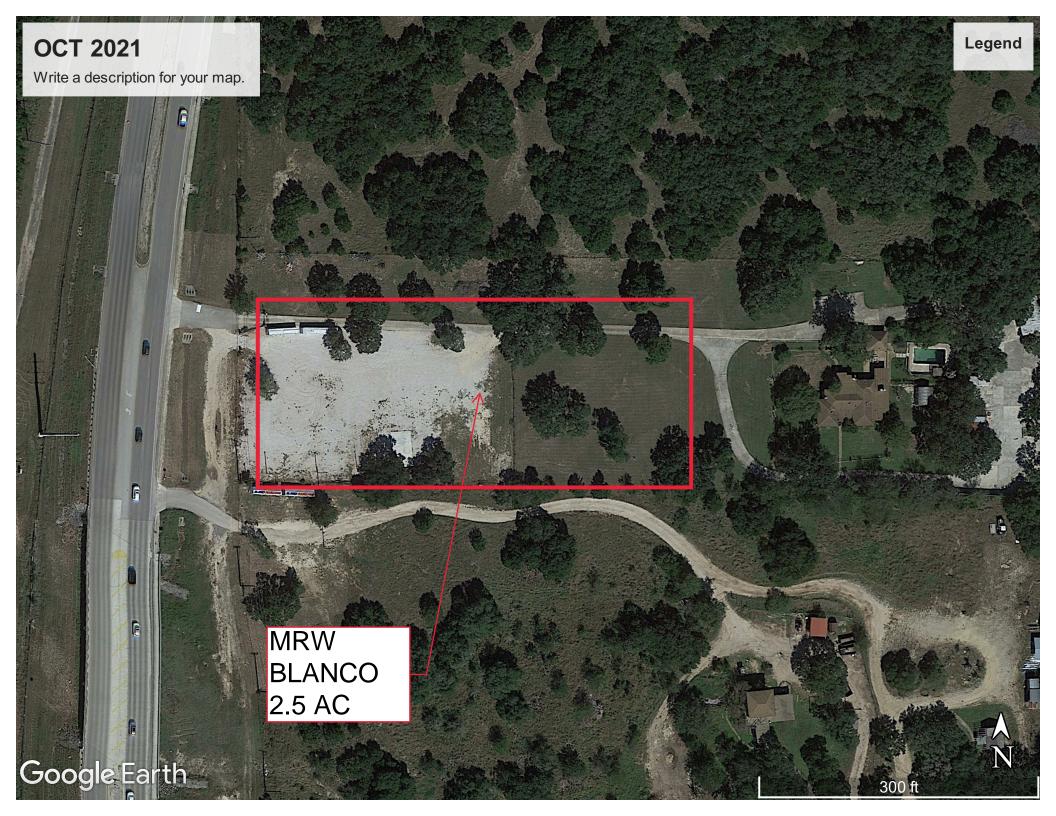














GEOLOGIC ASSESSMENT SECTION

GEOLOGIC ASSESSMENT (WPAP)

MRW - BLANCO 2.4 ACRES BEXAR COUNTY, TEXAS

FROST GEOSCIENCES, INC. PROJECT NO.: FGS-E23139
MAY 22, 2023

Prepared exclusively for

Mr. W Fireworks 12221 FM 476 Somerset, Texas 78069





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

May 22, 2023

Mr. W Fireworks 12221 FM 476 Somerset, Texas 78069

Attn: Mr. Joseph E. Tober, P.E.

SUBJECT:

Geologic Assessment (WPAP)
for the Regulated Activities / Development on the
Edwards Aquifer Recharge / Transition Zone
MRW - Blanco
2.4 Acres
Bexar County, Texas
FGS Project Nº FGS-E23139

Dear Mr. Joseph E. Tober, P.E.:

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.

Christopher Wickman Christ

Respectfully submitted, **Frost GeoSciences, Inc.**

Chris Wickman, P.G. Senior Geologist

Copies Submitted: (1) Mr. Joseph E. Tober, P.E.; Mr. W Fireworks

(1) Electronic (pdf) Copy

Frost GeoSciences

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APPENDIX B - SITE PHOTOGRAPHS

APPENDIX C - GEOLOGIC MAP

GEOLOGIC ASSESSMENT

Texas Commission on Environmental Quality

For Regulated Activities on The Edwards Aquifer Recharge/transition Zones and Relating to 30 TAC §213.5(b)(3), Effective June 1, 1999

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

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

Signature

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

Print Name of Geologist: <u>Chris Wickman, P.G.</u>	Telephone: <u>(210)</u> 372-1315
Date: May 22, 2023	Fax: <u>(210) 372-1318</u>
Representing: <u>Frost GeoSciences</u> , <u>Inc. #50040</u> (Name number)	of Company and TBPG or TBPE registration
Regulated Entity Name: MRW - Blanco	Christopher Wickman Geology 10403 CENSES
-	
Project Information	
1. Date(s) Geologic Assessment was performed: Ma	y 19, 2023
2. Type of Project:	
WPAPSCS3. Location of Project:	☐ AST ☐ UST
Recharge Zone Transition Zone	

TCEQ-0585 (Rev. 02-11-15)

- 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)
Tarrant	С	0-2

*Soil Group Definitions (Abbreviated)

- A. Soils having a high infiltration rate when thoroughly wetted.
- B. Soils having a moderate infiltration rate when thoroughly wetted.
- C. Soils having a slow infiltration rate when thoroughly wetted.
- D. Soils having a very slow infiltration rate when thoroughly wetted
- 6. Attachment B Stratigraphic Column. A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
- 7. Attachment C Site Geology. A narrative description of the site-specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
- 8. Attachment D Site Geologic Map(s). The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'

Applicant's Site Plan Scale: 1'' = 40'Site Geologic Map Scale: 1'' = 40'

Site Soils Map Scale (if more than 1 soil type): 1'' = 500'

9. Method of collecting positional data:

Global Positioning System (GPS) technology.

igwedge Other method(s). Please describe method of data collection: 2021 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.

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Fract	GeoSciences

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.
igotimes 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.
igthered 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

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.

TCEQ-0585 (Rev. 02-11-15)

STRATIGRAPHIC COLUMN

Group or Formation	Formal and informal member		Hydrologic unit o Informal hydrostratigraphic unit				
Taylor Group (Pecan Gap) Austin Group Eagle Ford Group Buda Limestone Del Rio Clay		Kpg Ka Kef Kb Kdr	Upper Confining Unit (UCU)				
Georgetown Formation		Kg	I				
100	Cyclic and marine, undivided	Kpcm	II				
Person Formation	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				
		Kgrc	Cavernous				
		Kgrcb	Camp Bullis				
	Upper Glen Rose Limestone	Kgrue	Upper evaporite				
	Limestone	Kgruf Kgrlf	Fossiliferous Uppe				
		Kgrle	Lower evaporite				
Glen Rose Limestone		Kgrb	Bulverde				
		Kgrlb	Little Blanco				
	Lower Glen Rose	Kgrts	Twin Sisters				
	Limestone	Kgrd	Doeppenschmidt				
		Kgrr	Rust				
		Kgrhc	Honey Creek				
Pearsall	Hensell Sand	Kheh	Hensell				
Formation	Cow Creek Limestone	Kcccc	Cow Creek				
	Hammett Shale	Khah	Hammett				



GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: MRW - Blanco PROJECT NUMBER: FGS-E23139

	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	FORMATIO N	DIMENSIONS (FEET)		TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CAT ARE	CHMENT A (ACRES)	TOPOGRAPHY	
						Χ	Υ	Z		10						<40	>40	<1.6	<u>>1.6</u>	
No		Geologic		or					Manmade		Features	Were		Observed		on				Site
]
]
]

Datum: NAD 83

2A TYPE	TYPE	2B POINTS
С	Cave	30
SC	Solution cavity	20
SF	Solution-enlarged fracture(s)	20
F	Fault	20
0	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 INFILL	NG
-----------	----

N None, exposed bedrock

C Coarse - cobbles, breakdown, sand, gravel

D Loose or soft mud or soil, organics, leaves, sticks, dark colors

Fines, compacted clay-rich sediment, soil profile, gray or red colors

Vegetation. Give details in narrative description

FS Flowstone, cements, cave deposits

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.

Chris Wickman, P.G.

Date: May 22, 2023

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

Sheet 1 of 2

Frost GeoSciences

LOCATION

The project site is located along and east of Blanco Road, approximately 1.6 miles north of the intersection of Blanco Road and Wilderness Oak, Texas. 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 EAA-Edwards Aquifer Recharge Zone and Contributing Zone Map, the FEMA Flood Insurance Rate Map (FIRM), 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, U.S. Geological Survey: Water Resources Investigations Report (WRI)-95-4030, Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas, a 2021 aerial photograph at a scale of 1"=500' and an NRCS Web Soil Survey aerial photograph at a scale of 1"=500'. These maps are included as Figures 1 through 9 in Appendix A.

METHODOLOGY

The Geologic Assessment was performed by Chris Wickman, P.G., Senior 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 north and east of the intersection of Blanco Road and Wilderness Oak. The research included, but was not limited to, the Geologic Atlas of Texas, San Antonio Sheet, FEMA Flood Insurance Rate maps, Edwards Aquifer Recharge Zone Maps, U.S.G.S. 7.5 Minute Quadrangle Maps, the Bureau of Economic Geology-Geologic Atlas of Texas, 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 U.S.G.S. Water-Resources Investigations Report 95-4030, the U.S.D.A. Soil Survey of Bexar County, Texas and the NRCS Web Soil Survey website.

After reviewing the available information, a field investigation was performed to identify any geologic or manmade 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 2021 aerial photograph, in conjunction with a handheld 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 any PRFs and/or rock outcrops noted on the project site, is included in the Appendices at the end of this report. 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.

RESEARCH & OBSERVATIONS

7.5 Minute Quadrangle Map Review

According to the U.S.G.S. 7.5 Minute Quadrangle Map, Camp Bullis Sheet (1992), the elevation across the project site ranges from 1110 to 1130 feet above mean sea level. The project site has a total relief of approximately 20 feet. Runoff from the project site flows to the southwest into Panther Springs Creek located southwest and west of the project site. The topographic map depicts the project site as wooded land with an unimproved road crossing through the northern portion of the project site. Blanco Road is located along the western property line of the project 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.

Bexar County Watersheds Map

According to the Bexar County Watersheds Map (2003), the project site is located within the Upper Salado Creek Watershed Area. A copy of the Bexar County Watersheds Map indicating the location of the project site is included on Figure 4 in Appendix A.

Recharge/Transition Zone

According to the E.A.A. Edwards Aquifer Recharge Zone and Contributing Zone Map, Camp Bullis (2014), the Official Edwards Aquifer Recharge Zone Map, Camp Bullis Sheet (1992), 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 E.A.A. Edwards Aquifer Recharge Zone and Contributing Zone Map indicating the location of the project site is included in Figure 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 48029C0120G, 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 Number 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. In addition, the flood panel indicated floodplain associated with Panther Springs Creek present adjacent to the southwestern corner of the project and on the adjacent property west of the project site. The flood plain area is indicated as "Zone A". According to the map panel legend, Zone A represents areas determined to be within the 100-year floodplain where base flood elevations have been determined. 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 Tarrant Association (TaC). A copy of the 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.

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Tarrant Association, rolling, 5 to 15 percent slopes (TaC) consists of stony soils that are very shallow, dark colored, and gently undulating to steep. The Tarrant Association occurs on the limestone prairies in the northern third of the county. The surface layer is very dark grayish brown, calcareous clay loam and is about 10" thick. It has moderate, fine, subangular blocky structure. This layer is crumbly and friable when moist. Limestone fragments that range from a quarter of an inch to 24" in diameter cover about 35 percent of the surface. The subsurface layer, about 8" thick, is hard fractured limestone. The cracks and spaces are filled with dark grayish brown clay loam. The bedrock is hard limestone. Tarrant soils have rapid surface drainage and good internal drainage. The capacity to hold water is low. Natural fertility is high. Water erosion is a hazard. This soil has a USDA Texture Classification of Clay Loam. The Unified Classification is CL or CH. The AASHO Classification is A-7. 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. PRFs were not identified during the on-site inspection conducted on May 19, 2023. The Site Geologic Map is provided in Appendix C. Color photos of the project site are included in Appendix B.

The project site is covered by a moderately dense stand of vegetative cover with an open grassy area on the eastern and northern portions of the project site. The western portion of the project site is covered by a gravel laden area. Two closed and locked wood and corrugated metal fireworks stands were observed in the northwestern portion of the project site. Site visit photos indicating the condition of the property at the time of the on-site inspection are included in Appendix B. Overall vegetation on the project site consists of live oak (Quercus virginiana), and native grasses and weeds. The variations in the vegetative cover on the property are visible in the 2021 aerial photo on Figure 9 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 and the U.S. Geological Survey: Water Resources Investigations Report (WRI) 95-4030, Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas, the project site is located on the Basal Nodular Member of the Cretaceous Edwards Kainer Limestone (Kkbn), as well as the Cretaceous Upper Glen Rose formation (Kgru).

The Basal Nodular Member of the Edwards Kainer Limestone consists of shaly, nodular limestone, mudstone, and milliolid grainstone. This member is massive, nodular, and mottled with fossils of Exogyra texana. This member typically forms large lateral caves at the surface.

Upper member of the Glen Rose Limestone (Kgru) is the lower confining unit for the Edwards Aquifer and consists of yellowish tan, thinly bedded limestone and marl. Stairstep topography results from alternating layers of limestone and marl. Surface cavern development can occur within this formation but is often hindered by the marly seams. Overall thickness ranges from 300 to 500 feet.

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A fault was identified on 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 and the U.S. Geological Survey: Water Resources Investigations Report (WRI) 95-4030, Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas. The fault was indicted crossing the project site from the southwest corner, through central portion of the project site and exiting the northeastern portion of the project site. 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 identified the fault as the contact between the Upper Glen Rose limestone to the northwest and the basal nodular member of the Edwards Kainer limestone to the south. Direct visual evidence of the fault was not observed due to gravel paving, thick soil cover and vegetation.

Copies of maps from 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 report and the Water Resources Investigations Report (WRI) 95-4030, are included on Figures 8 and 8B in Appendix A. A copy of the Stratigraphic Column highlighting the outcropping formations is included on Page 3 of this report.

According to the site plan provided by Mr. W Fireworks, the surveyed elevations on the project site range from 1119 to 1139 feet. According to this survey, the total relief on the project site is approximately 20 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

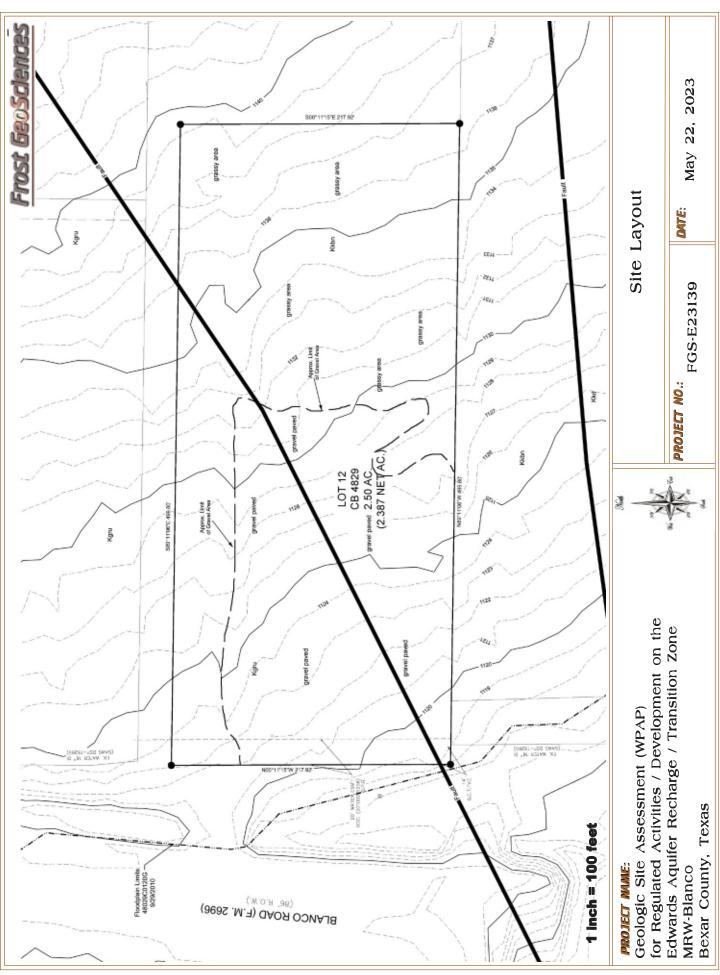
This report has been prepared in general accordance with the "Instructions to Geologists", TCEQ-0585-Instructions (Rev. 10-1-04) by a Licensed Texas Professional Geoscientist. All areas of the project site were carefully inspected for features that could contribute to the recharge of the Edwards Aquifer; 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.

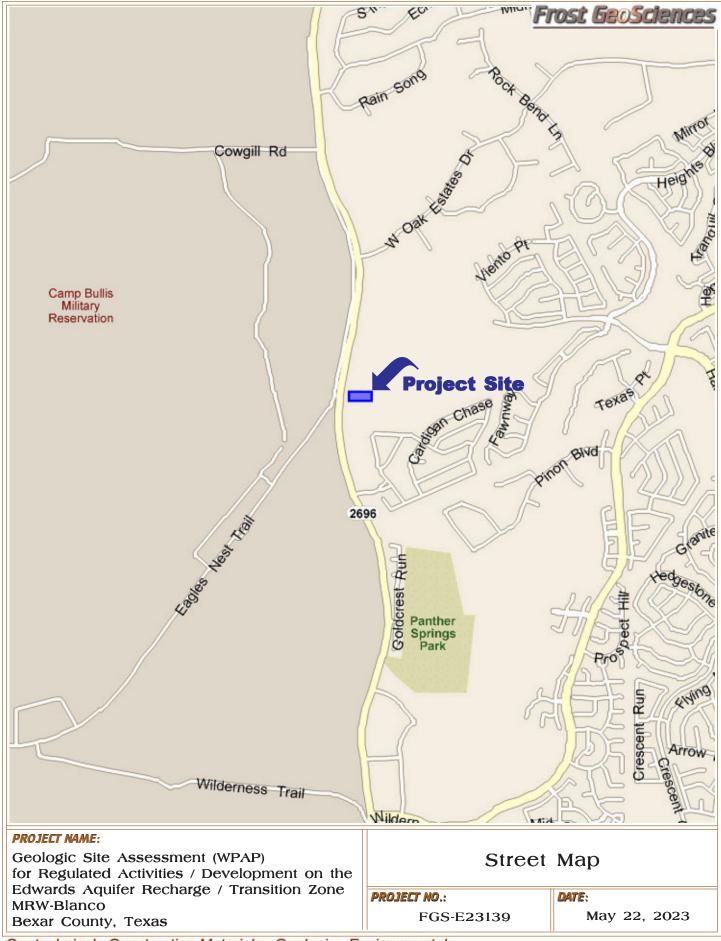
REFERENCES

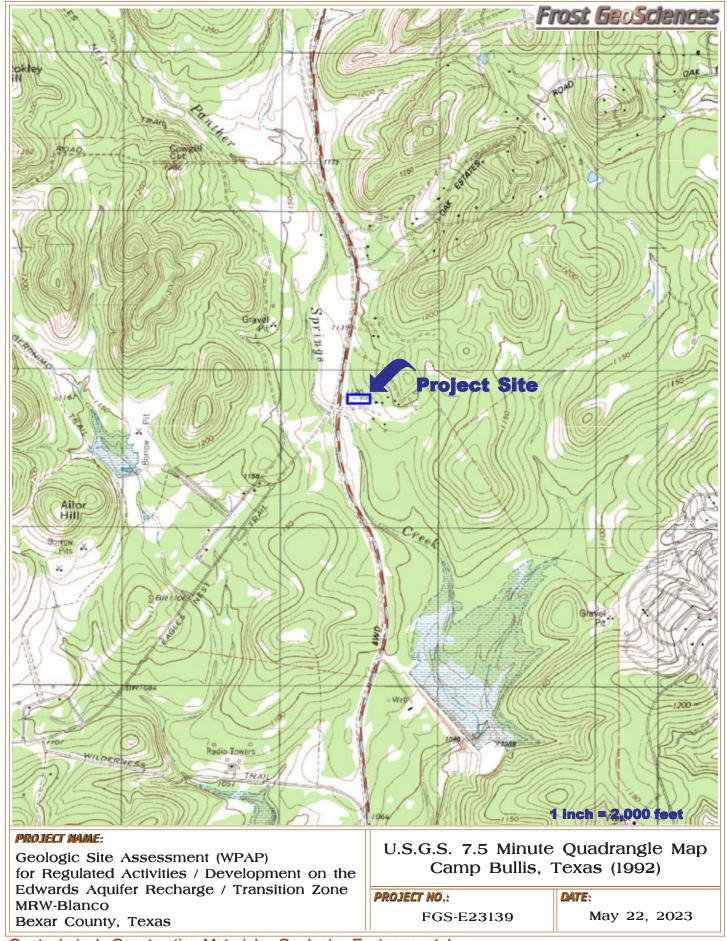
- 1. USGS 7.5 Minute Topographic Quadrangle of Camp Bullis, 1992
- 2. E.A.A. Edwards Aquifer Recharge Zone and Contributing Zone Map, Camp Bullis (2014).
- 3. Official Edwards Aquifer Recharge Zone Map, Camp Bullis, 1992
- 4. The Texas Commission on Environmental Quality (TCEQ) website: Edwards Aquifer 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. Stein, W.G. and Ozuna, G.B., 1995, Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas, U.S. Geological Survey Water Resources Investigations 95-4030.
- 9. Barnes, V.L., 1982, Geologic Atlas of Texas San Antonio Sheet, Bureau of Economic Geology and University of Texas at Austin, Geologic Atlas of Texas.
- 10. Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, Community Panel Number 48029C0120G, dated September 29, 2010
- 11. United States Department of Agriculture Soil Conservation Service Soil Survey of Bexar County 1966.
- 12. USDA NRCS Web Soil Survey (WSS) website: https://websoilsurvey.nrcs.usda.gov (2014)
- 13. TCEQ-0585-Instructions (Rev. 10-1-04), "Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zone".
- 14. San Antonio Water Systems, Bexar County Watersheds Map, 2004.

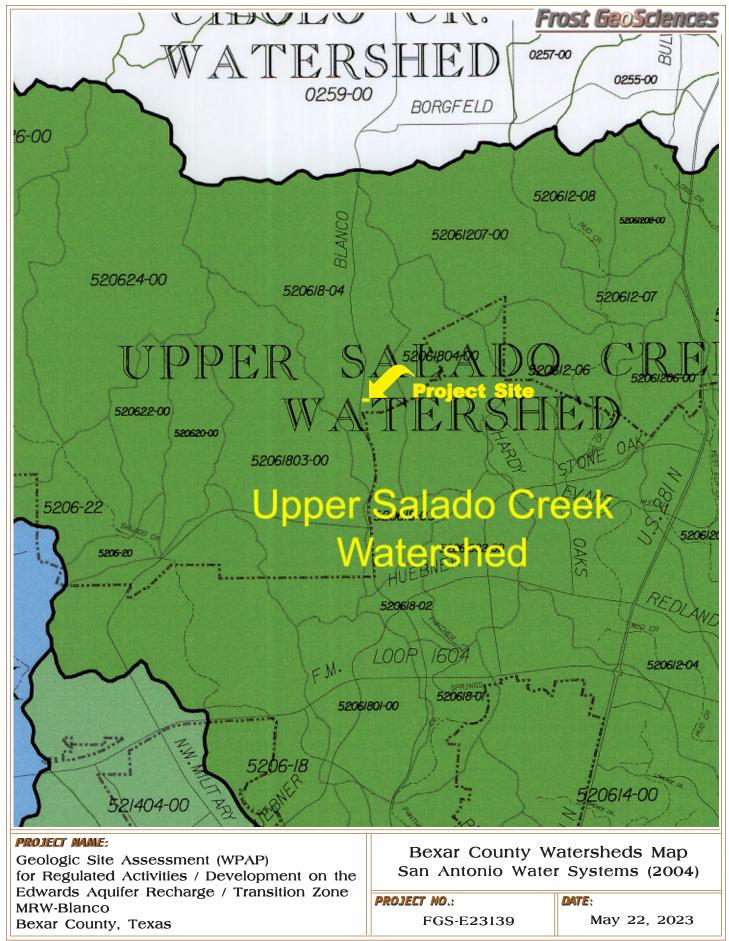
	Frost GeoSciences
ADDENDEY A	
APPENDIX A	
SITE LOCATION FIGURES	
	FGS Project № FGS-E23139
Control visal Construction Metarials Control Surfaces	193 F10Ject N- 193-E23139
Geotechnical • Construction Materials • Geologic • Environmental	

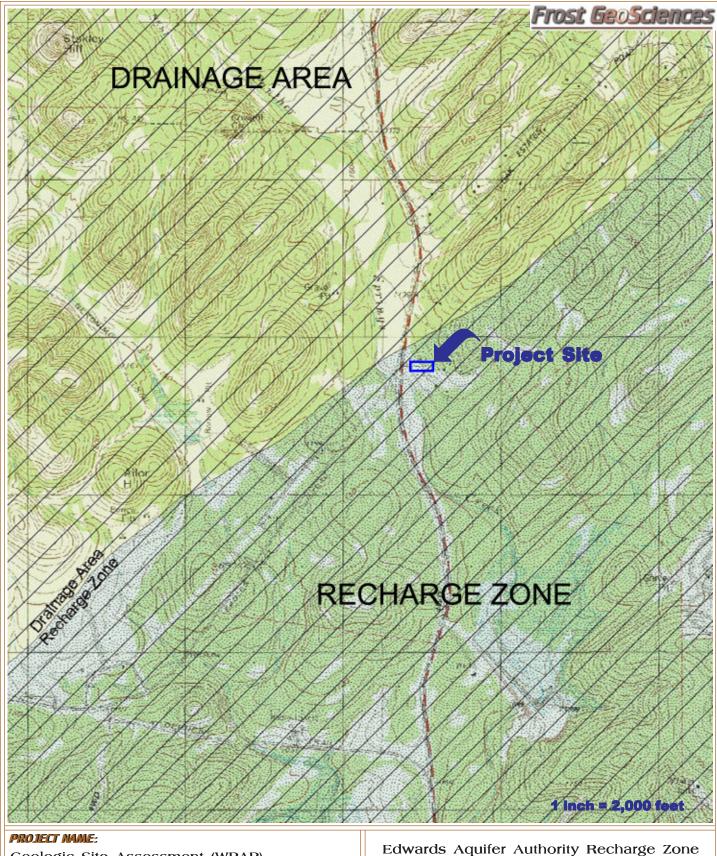


Geotechnical • Construction Materials • Geologic • Environmental







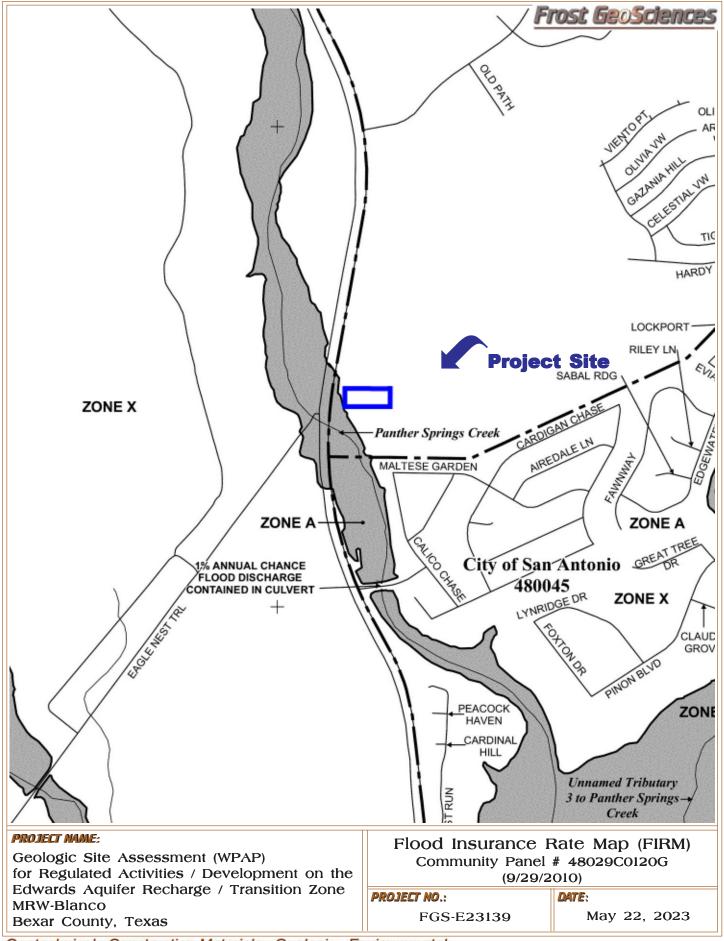


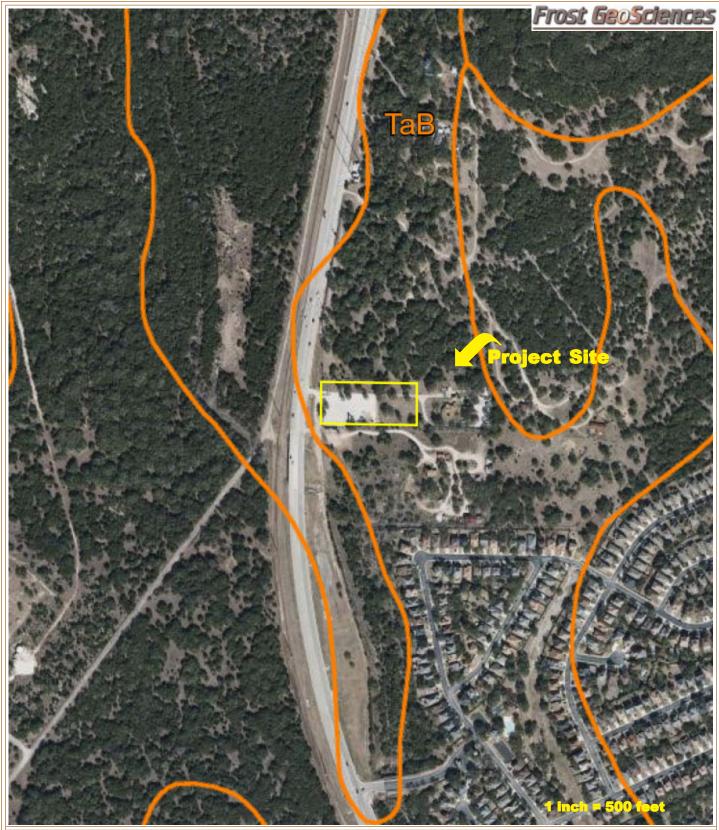
Geologic Site Assessment (WPAP) for Regulated Activities / Development on the Edwards Aquifer Recharge / Transition Zone MRW-Blanco Bexar County, Texas Edwards Aquifer Authority Recharge Zone Map - Camp Bullis, Texas (2014)

PROJECT NO.:

FGS-E23139

DATE:



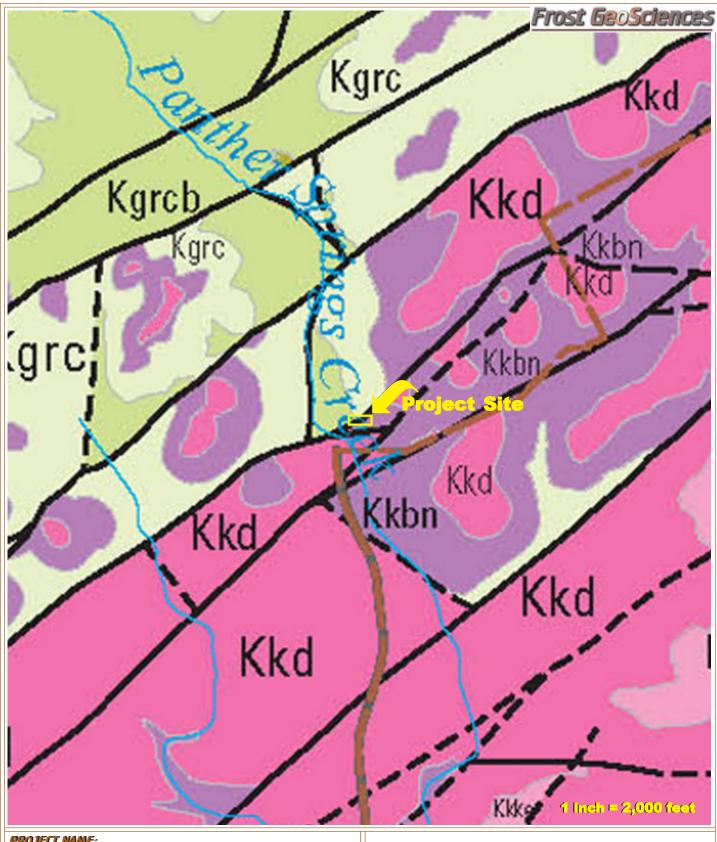


Geologic Site Assessment (WPAP) for Regulated Activities / Development on the Edwards Aquifer Recharge / Transition Zone MRW-Blanco Bexar County, Texas Soils Map
Bexar County Soil Survey
NRCS website: websoilsurvey.nrcs.usda.gov

PROJECT NO.:

FGS-E23139

DATE:



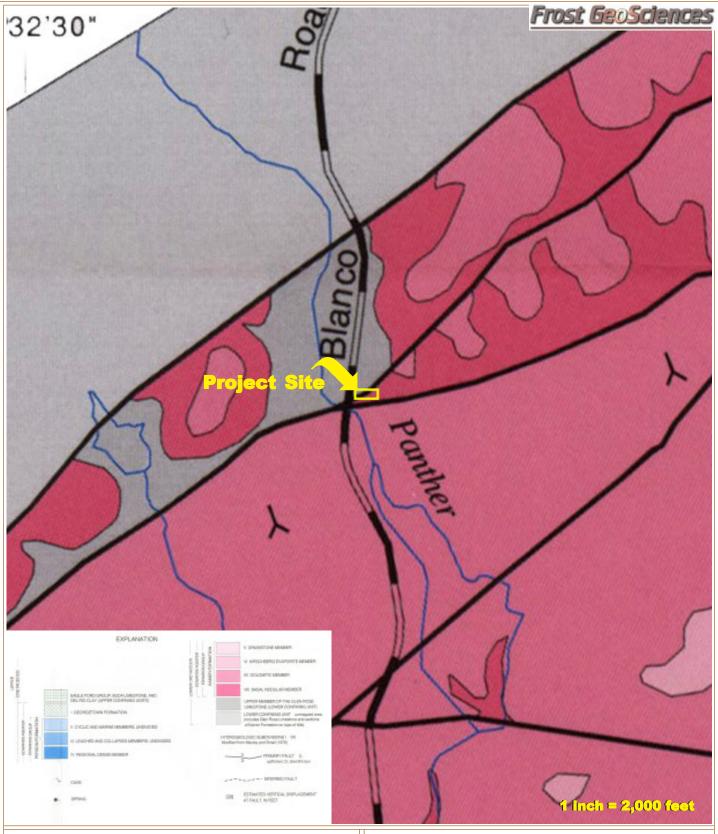
Geologic Site Assessment (WPAP) for Regulated Activities / Development on the Edwards Aquifer Recharge / Transition Zone MRW-Blanco

Bexar County, Texas

U.S.Geological Survey Scientific Investigations Map 3366 (2016)

PROJECT NO.:

FGS-E23139

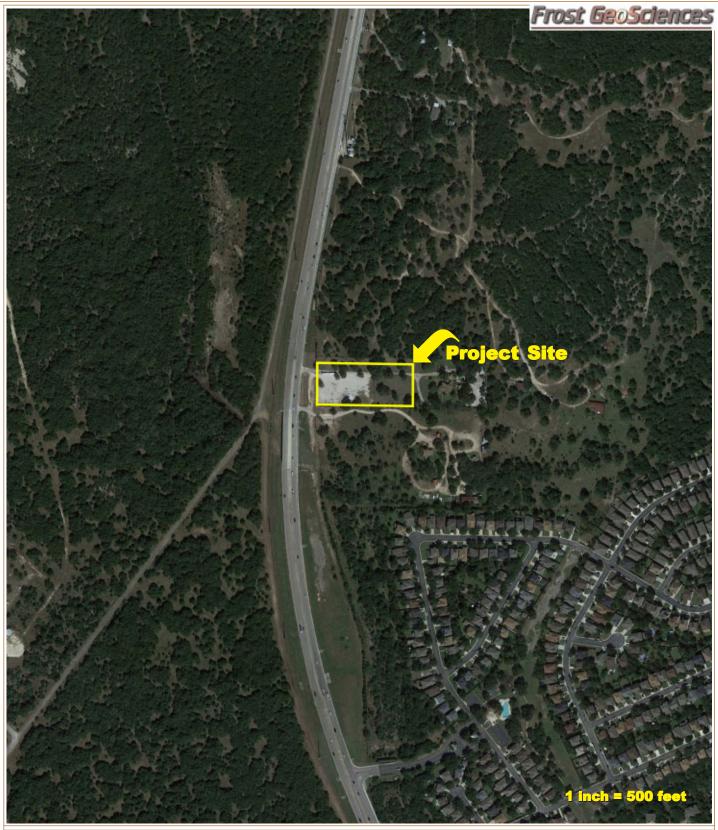


Geologic Site Assessment (WPAP) for Regulated Activities / Development on the Edwards Aquifer Recharge / Transition Zone MRW-Blanco Bexar County, Texas United States Geologic Survey Water Resources Investigations #4030-95 Geologic Map of Bexar County, Texas

PROJECT NO.:

FGS-E23139

DATE:



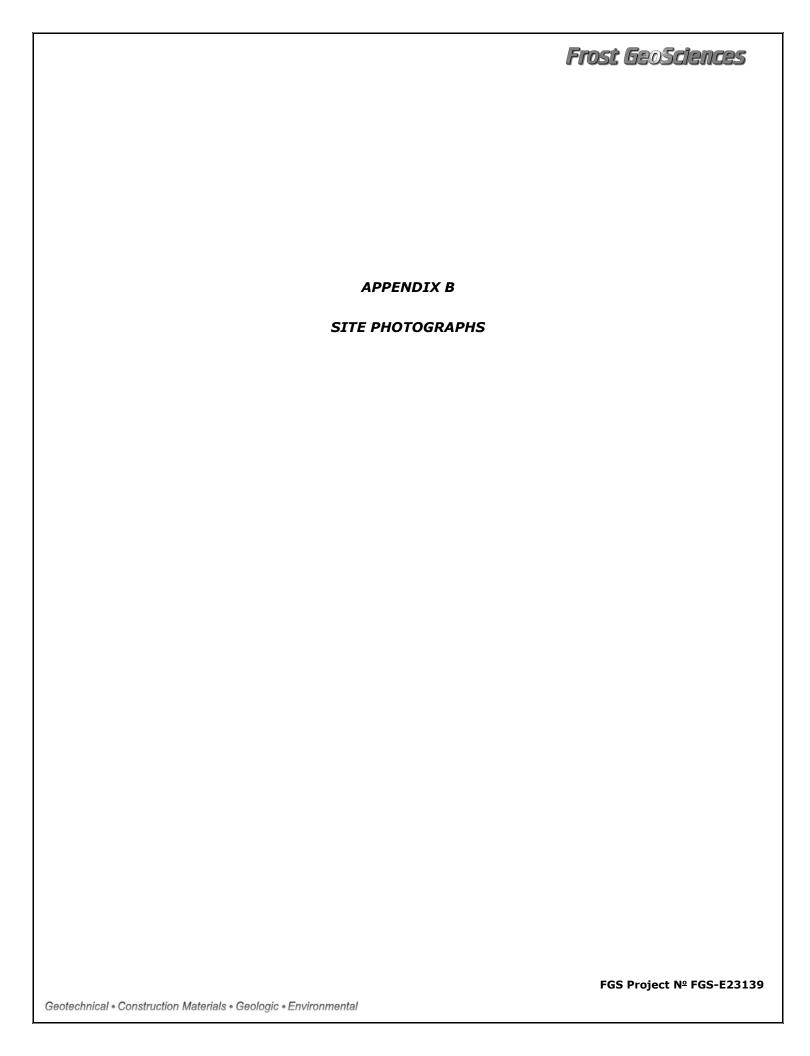
Geologic Site Assessment (WPAP) for Regulated Activities / Development on the Edwards Aquifer Recharge / Transition Zone MRW-Blanco

Bexar County, Texas

2021 Aerial Photograph Google Earth Aerial

PROJECT NO.:

FGS-E23139



Frost GeoSciences



Photo #1 – View to the east across the gravel laden area observed in the western portion of the project site.



Photo #2 – View to the north across the gravel laden area observed in the western portion of the project site.



Photo #3 – View to the west across the gravel laden area observed in the western portion of the project site.



Photo #4 – View to the east across the northeastern portion of the project site.

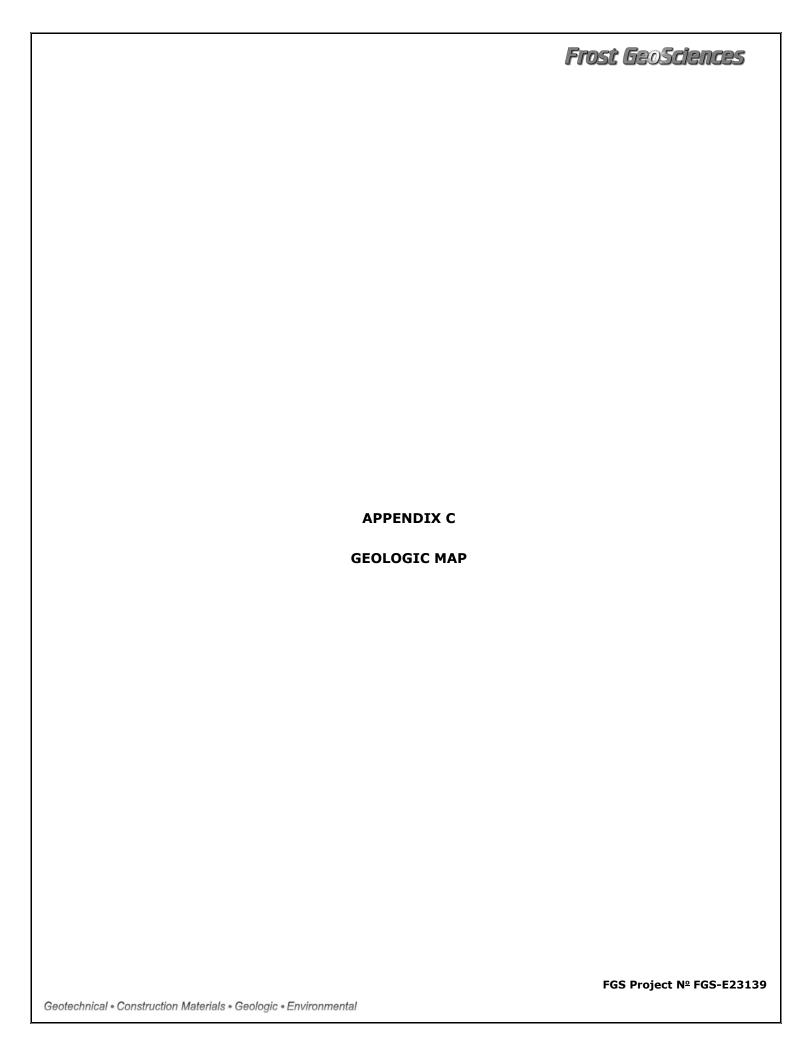
Frost GeoSciences

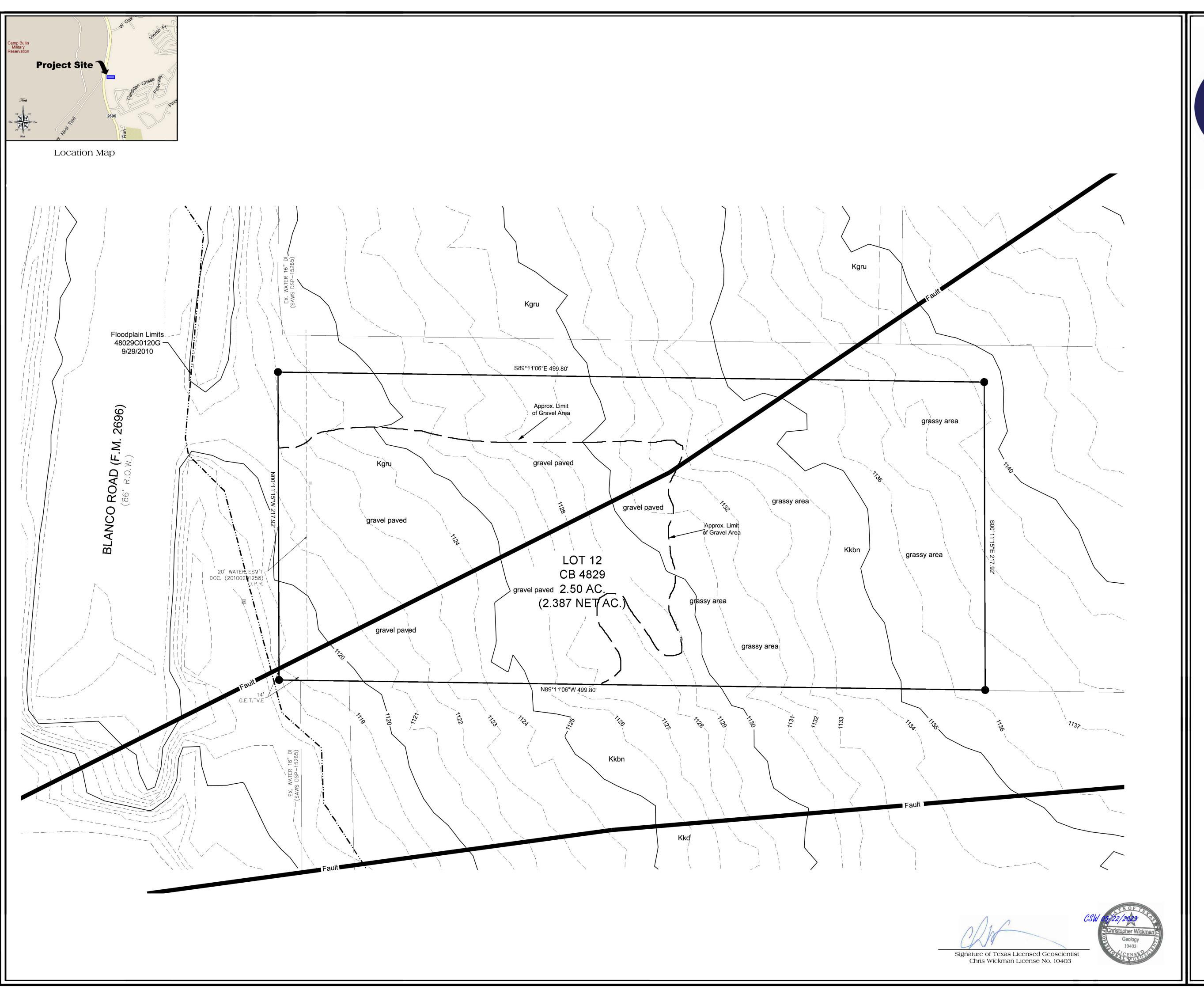




Photo #5 – View to the north across the grassy area covering the eastern portion of the project site.

Photo #6 – View to the southwest across the grassy area covering the eastern portion of the project site.







Site Geologic Map

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

> MRW-Blanco Bexar County, Texas

Frost GeoSciences, Inc. Control # FGS-E23139

Legend

Kkd - dolomitic member - Edwards Kainer limestone

Kkbn - basal nodular member - Edwards Kainer limestone

Kgru - upper Glen Rose limestone

S-# - Potential Recharge Feature (PRF)

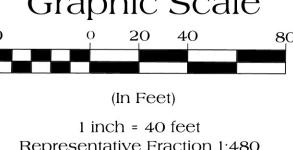
ApproximatedGravel Area/Grassy Area boundary

Floodplain Information Obtained From FIRM: Flood Insurance Rate Map Bexar County, Texas: Panel # 48029C0120G, Revised 9/29/10

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 (1995) 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)





Representative Fraction 1:480

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WATER POLLUTION ABATEMENT PLAN SECTION

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: Joseph E. Tober, P.E.

Date: 07.19.2023

Signature of Customer/Agent:

Regulated Entity Name: MRW BLANCO

Regulated Entity Information

1. The type of project is:

Residential: Number of Lots:
Residential: Number of Living Unit Equivalents:
Commercial

- 2. Total site acreage (size of property): 2.5
- 3. Estimated projected population: N/A
- 4. The amount and type of impervious cover expected after construction are shown below:

Industrial Other:

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	5,025	÷ 43,560 =	0.12
Parking	25,470.98	÷ 43,560 =	0.58
Other paved surfaces	5,150.24	÷ 43,560 =	0.12
Total Impervious Cover	35,646.2	÷ 43,560 =	0.82

Total Impervious Cover $0.82 \div$ Total Acreage $2.50 \times 100 = 32.8 \%$ 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. $L \times W = Ft^2 \div 43,560 Ft^2/Acre = acres.$
10.	Length of pavement area: feet.
	Width of pavement area: feet. L x W = $Ft^2 \div 43,560 \ Ft^2/Acre = acres.$ Pavement area acres \div 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.	TCEQ Executive Director. Modification	oadways that do not require approval from the ons to existing roadways such as widening re than one-half (1/2) the width of one (1) existing TCEQ.
Stor	mwater to be generate	d by the Proposed Project
13.	volume (quantity) and character (qu occur from the proposed project is a quality and quantity are based on th	ter of Stormwater. A detailed description of the ality) of the stormwater runoff which is expected to attached. The estimates of stormwater runoff e area and type of impervious cover. Include the a pre-construction and post-construction conditions
Was	tewater to be generate	ed by the Proposed Project
14. The	e character and volume of wastewate	er is shown below:
<u>0</u> %	Domestic Industrial Commingled TOTAL gallons/day <u>0</u>	<u>O</u> Gallons/day <u>O</u> Gallons/day <u>O</u> Gallons/day
15. Wa	stewater will be disposed of by:	
	On-Site Sewage Facility (OSSF/Septic	: Tank):
	will be used to treat and dispose licensing authority's (authorized the land is suitable for the use of the requirements for on-site sew relating to On-site Sewage Facility Each lot in this project/developments size. The system will be designed.	of the wastewater from this site. The appropriate agent) written approval is attached. It states that f private sewage facilities and will meet or exceed vage facilities as specified under 30 TAC Chapter 285 ties. The appropriate agent is attached. It states that for exceed vage facilities as specified under 30 TAC Chapter 285 ties. The appropriate agent is attached. It states that for exceed under 30 TAC Chapter 285 ties. The appropriate agent is attached. It states that for exceed under 30 TAC Chapter 285 ties. The appropriate agent is attached. It states that for exceed under 30 TAC Chapter 285 ties.
	Sewage Collection System (Sewer Lin	nes):
	to an existing SCS.	wastewater generating facilities will be connected wastewater generating facilities will be connected
	☐ The SCS was previously submitte☐ The SCS was submitted with this☐ The SCS will be submitted at a labe installed prior to Executive Di	application. ter date. The owner is aware that the SCS may not

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. \square The Site Plan must have a minimum scale of 1" = 400'.	
Site Plan Scale: 1" = <u>40</u> '.	
18. 100-year floodplain boundaries:	
 Some part(s) of the project site is located within the 100-year floodplain. The floodpla 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): 48029C0120G, 09/29/2010 	in
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. 	
igstyle 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 a shown and labeled. No sensitive geologic or manmade features were identified in the Geologic Assessment. 	re
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).
\boxtimes	N/A
27.	Locations where stormwater discharges to surface water or sensitive features are to occur.
\boxtimes	There will be no discharges to surface water or sensitive features.
28. 🔀	Legal boundaries of the site are shown.
Adn	ninistrative 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 SOMERSET, TEXAS 78069 F-22385

August 3, 2023

MRW - BLANCO 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





<u>Attachment B – Volume and Character Storm Water</u>

Quality:

The quality of the stormwater runoff will be that of a retail building with a metal roof and gravel pavement. 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 from the gravel pavement will be caused by oils and other pollutants from vehicles.

Volume:

Existing Conditions:

Total Area = 2.5 ac Impervious Cover = 1.26 ac C=0.82 Tc = 9min I5 = 6.58, I25 = 9.147, I100 = 11.408(PA-2) Q5= 11.84 cfs, Q25 = 16.46 cfs, Q100 = 20.53 cfs

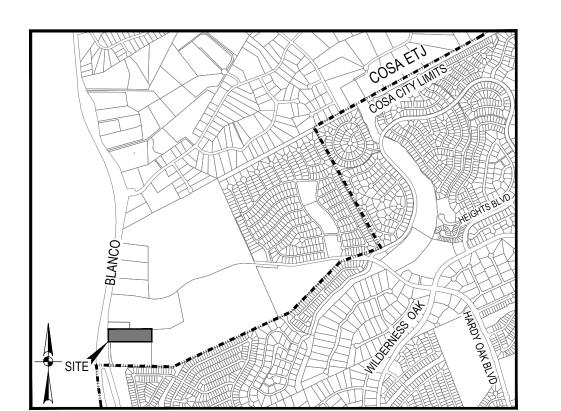
Proposed Conditions:

Total Area = 2.5

DA1 Area = 0.695 ac C=0.85 Tc = 5 min I5 = 7.94, I25 = 11.13, I100 = 14.00 Q5= 4.65 cfs, Q25 = 6.53 cfs, Q100 = 8.21 cfs

DA2 Area = 0.223 ac C=0.96 Tc = 5 min I5 = 7.94, I25 = 11.13, I100 = 14.00 Q5= 1.75 cfs, Q25 = 2.46 cfs, Q100 = 3.09 cfs

DA3 Area = 1.583 ac C=0.47 Tc = 8 min I5 = 6.86, I25 = 9.56, I100 = 11.94 Q5= 5.01 cfs, Q25 = 7.1 cfs, Q100 = 8.86 cfs



LOCATION MAP NOT TO SCALE

Texas Commission on Environmental Quality Water Pollution Abatement Plan **General Construction Notes**

- A written notice of construction must be submitted to the TCEQ regional office at least 48 hours prior to the start 7. Sediment must be removed from the sediment traps or sedimentation basins not later than when it occupies of any regulated activities. This notice must include:
 - the name of the approved project;
 - the activity start date; and

30' INGRESS/EGRESS ESM'TI

VFS #2: 15-FT ENGINEERED

VEGETATED FILTER STRIPS (WQ TREATMENT FOR 0.22

100 YEAR FEMA FLOODPLAIN LIMITS

MAP PANEL NO._

EFFECTIVE DATE: 09.29.2010

48029C0120G

- the contact information of the prime contractor.
- copies of the approved Water Pollution Abatement Plan (WPAP) and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractors are required to keep on-site copies of the approved plan and approval letter.
- 3. If any sensitive feature(s) (caves, solution cavity, sink hole, etc.) is discovered during construction, all regulated 10. If portions of the site will have a temporary or permanent cease in construction activity lasting longer than 14. Austin, Texas 78753-1808 activities near the sensitive feature must be suspended immediately. The appropriate TCEQ regional office must be immediately notified of any sensitive features encountered during construction. Construction activities may not be resumed until the TCEQ has reviewed and approved the appropriate protective measures in order to protect any sensitive feature and the Edwards Aquifer from potentially adverse impacts to water quality.
- No temporary or permanent hazardous substance storage tank shall be installed within 150 feet of a water supply source, distribution system, well, or sensitive feature.
- 5. Prior to beginning any construction activity, all temporary erosion and sedimentation (E&S) control measures must be properly installed and maintained in accordance with the approved plans and manufacturers specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. These controls must remain in place until the disturbed areas have been permanently stabilized.

REMAIN

- 6. Any sediment that escapes the construction site must be collected and properly disposed of before the next rain 12. The holder of any approved Edward Aquifer protection plan must notify the appropriate regional office in writing event to ensure it is not washed into surface streams, sensitive features, etc.
- 8. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged offsite.
- 2. All contractors conducting regulated activities associated with this project must be provided with complete 9. All spoils (excavated material) generated from the project site must be stored on-site with proper E&S controls. For storage or disposal of spoils at another site on the Edwards Aquifer Recharge Zone, the owner of the site must receive approval of a water pollution abatement plan for the placement of fill material or mass grading prior to the placement of spoils at the other site.
 - days, soil stabilization in those areas shall be initiated as soon as possible prior to the 14th day of inactivity. If Phone (512) 339-2929 activity will resume prior to the 21st day, stabilization measures are not required. If drought conditions or Fax (512) 339-3795
 - inclement weather prevent action by the 14th day, stabilization measures shall be initiated as soon as possible.
 - 11. The following records shall be maintained and made available to the TCEQ upon request: - the dates when major grading activities occur;
 - the dates when construction activities temporarily or permanently cease on a portion of the site; and

LIMITS OF

GRAVEL/COMPACTED

SOIL AREA TO BE

REVEGETATED

(±6,088 SF)

- the dates when stabilization measures are initiated.

Kgru

WQ VOL RQD=2,627 CF

WQ SED AREA RQD-253F (2FT

WQ SED AREA PROVIDED=902 SF (2FT

WQ FILTER AREA RQD=219 SF WQ FILTER AREA PROVIDED=275 SF

Kkbn

UNPLATTED

PARCEL 7 AB\$ 425 CB 4829 6.6 AC

PARCEL 2A ABS 176 CB 4833 3.3 AC

CLM INVÉSTMENT CO

(VOL. 4507, PG2090) OPR

GRAVEL TO REMAIN

/ X / X X X X X

50% of the basin's design capacity.

- and obtain approval from the executive director prior to initiating any of the following:
 - any physical or operational modification of any water pollution abatement structure(s), including but not limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;
- B. any change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;
- C. any development of land previously identified as undeveloped in the original water pollution abatement

Austin Regional Office 12100 Park 35 Circle, Building A

San Antonio Regional Office 14250 Judson Road San Antonio, Texas 78233-4480 Phone (210) 490-3096

GRAVEL TO

REMAINT-

Kkþn

INTERCEPTOR CHÀNNEL

LOT 12

BLK 0 CB 4829

2.50 AC. (2.387 NET AC.)

PROPOSED

INTERCEPTOR ! CHANNEL/—

Fax (210) 545-4329

-PROPOSED PORT+A-POTTY

LOCATION

LIMITS OF

GRAVEL/COMPACTED

SOIL AREA TO BE

REVEGETATED

(±11,515 SF)

PROPERTY LINE	
SILT FENCE	SF SF SF
LIMITS OF CONSTRUCTION	— LOC —— LOC —
STABILIZED CONSTRUCTION ENTRANCE/EXIT	
STAGING AREA	
CONCRETE WASH-OUT PIT	

1	PROPOSED GRAVEL MILLINGS PARKING LOT
2	PROPOSED ENTRANCE LOCATION
(3)	PROPOSED BUILDING LOCATION

LEGEND

	PROPERTY LINE
SF SF	SILT FENCE
LOC LOC	LIMITS OF CONSTRUCTION
	STABILIZED CONSTRUCTION ENTRANCE/EXIT
	STAGING AREA
	CONCRETE WASH-OUT PIT
	AREAS OF SOIL STABILIZATION
	AREAS OF SOIL DISTURBANCE
	AREAS TO BE REVEGETATED

KEY NOTES

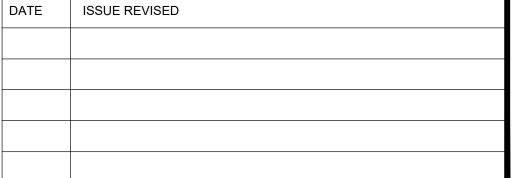
1	PROPOSED GRAVEL MILLINGS PARKING LOT
2	PROPOSED ENTRANCE LOCATION
3	PROPOSED BUILDING LOCATION

PRE-DEV IMP **POST DEV IMP TSS LOAD BMP** TOTAL (AC) **REMOVAL (LBS)** DRAINAGE AREAS COVER (AC) COVER (AC) DA1 SF WQ POND 0.70 0.05 0.55 440 165 VFS 0.22 0.02 0.22 DA2 N/A 1.58 0.05 DA3 0.05 0 **TOTALS** 2.50 0.12 0.82 605

LEGAL DESCRIPTION

OWNER/DEVELOPER: MR.W FIREWORKS, INC. 12221 FM 476 (P.O. BOX 114) SOMERSET. TEXAS 78069 ATTN: WAYNE WILDMAN

BLK 0 CB 4829 AC. 2.5 MRW BLANCO SUBDIVISON PLAT NO. 22-11800425 VOL. XXXX PG. XXX



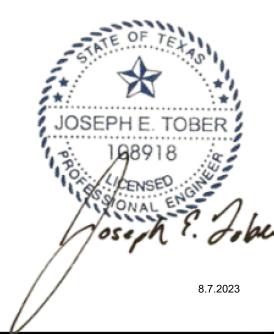


MR. W FIREWORKS, INC 12221 FM 476 SOMERSET, TEXAS 78069 P.O. BOX 114 SOMERSET, TEXAS 78069

ERSTORE



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



WATER POLLUTION ABATEMENT PLAN



TEMPORARY STORMWATER SECTION

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: Joseph E. Tober, P.E.

Date: 08.07.2023

Signature of Austomer/Agent:

Regulated Entity Name: MRW BLANCO

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.

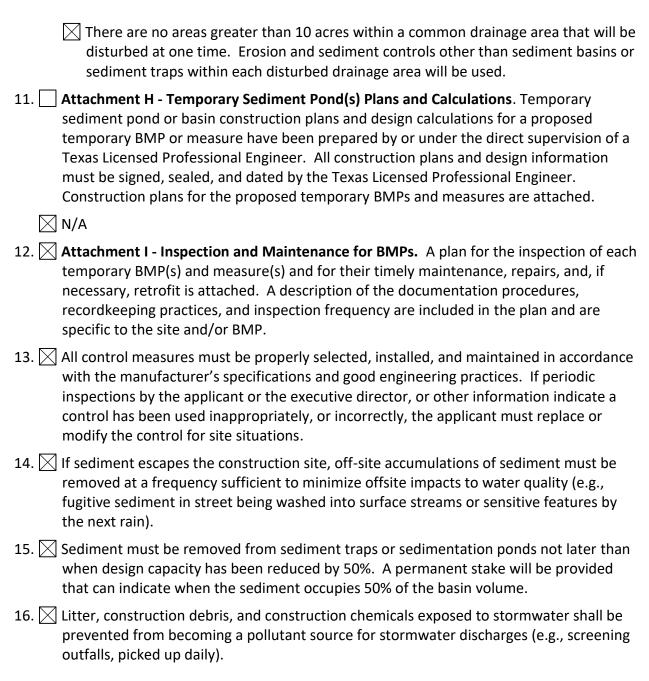
Fuels for construction equipment and hazardous substances which will be used during construction:
The following fuels and/or hazardous substances will be stored on the site:
These fuels and/or hazardous substances will be stored in:
Aboveground storage tanks with a cumulative storage capacity of less 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. 	
	Evels 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: Panther 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.



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.







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:

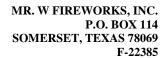
http://www.tnrcc.state.tx.us/enforcement/emergency_response.html

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.



August 7, 2023



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



August 7, 2023

Attachment C - Sequences of Major Activities

Major activities for proposed site include:

Implement BMP's: Week 1

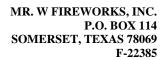
- Installation of temporary construction entrance/exit. (1,000 SF)
- Installation of erosion and sedimentation controls. Silt Fence (600 LF)

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 driveway apron.

Site Stabilization (Week 6-8)

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







Stabilized Construction Entrance/Exit

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.

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



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

August 7, 2023

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.

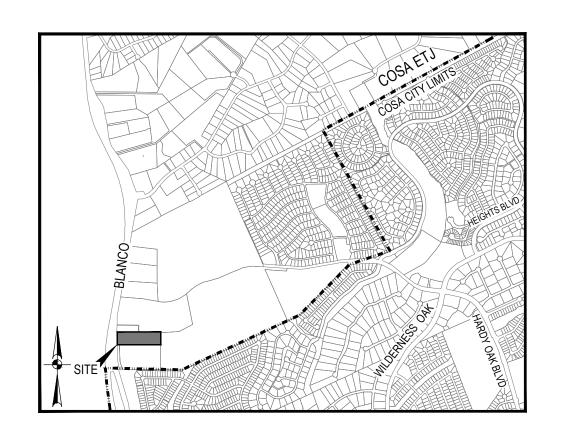


MR. W FIREWORKS, INC. P.O. BOX 114 SOMERSET, TEXAS 78069 F-22385

August 7, 2023

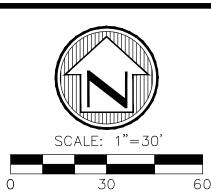
<u>Attachment G - Drainage Area Map</u>

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.



\\MWFSERVER\Users\Engineering\Projects\MWF - Blanco\Drawings\MWR-BLANCO CIVIL.dwg, 8/7/2023 12:38:33 PM, _AutoCAD PDF (High Quality Print).pc3

* 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.





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

SUPERSTORE

<u>LEGEND</u>

	<u>—</u>
©	GAS VALVE
	FIRE HYDRANT
X	LIGHT POLE
	WATER VALVE
(69)	SANITARY SEWER MANHOLE
SW	STORM WATER MANHOLE
	SIGN
\triangle	CONTROL POINT
	POWER POLE
	1/2" IRON ROD FOUND
	BENCH MARK
	STORM GRATE
	PIN FLAG OR PAINT STRIPE
	1/2" IRON ROD W/CAP

ROAD W/NO CURB

EXISTING CURB

PROPOSED CURB

EXISTING CONCRETE

EXISTING ASPHALT

EXISTING GRAVEL

PROPOSED CONCRETE

PROPOSED ASPHALT

PROPOSED GRAVEL

PROPOSED BUILDING

EXISTING CONTOURS

CHAIN LINK FENCE

WOOD FENCE

EXISTING TREE

FLOW ARROWS

FLOW ARROWS

LIMITS OF CONSTRUCTION

PROPERTY LINE

PROPOSED SPOT GRADES

931.50TC
931.00G

SILT FENCE —— SF —— SF ——

FIRE LANE

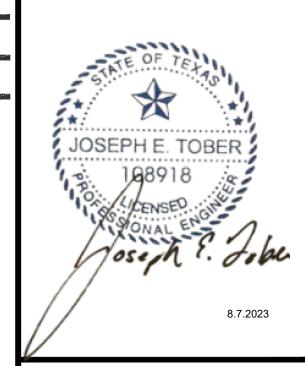
FIRE HOSE HAND PULL

HAND PULL

FIRE HOSE TRUCK PULL TRUCK PULL

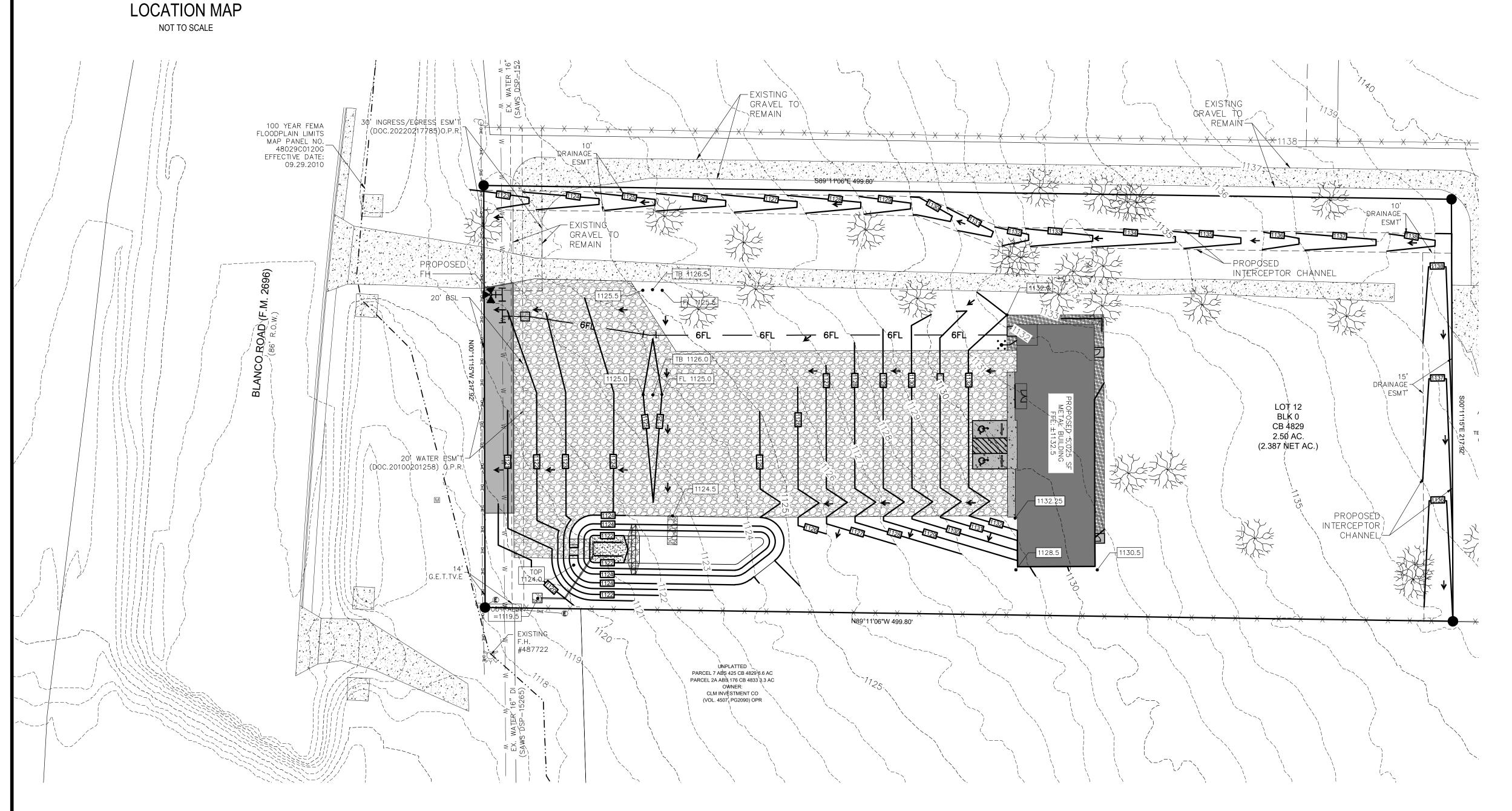
F-22385
MR. W FIREWORKS, INC
12221 FM 476

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



GRADING PLAN

C3

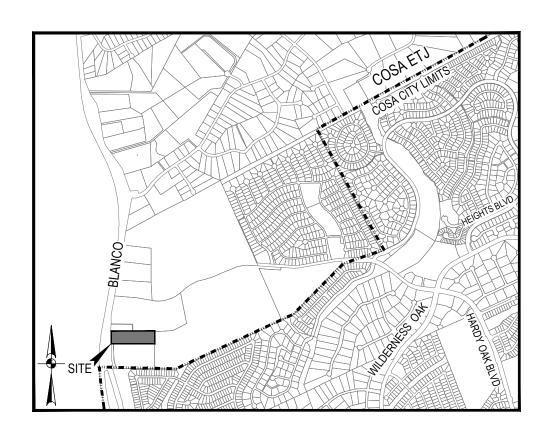


LEGAL DESCRIPTION

OWNER/DEVELOPER:
MR.W FIREWORKS, INC.
12221 FM 476 (P.O. BOX 114)
SOMERSET, TEXAS 78069
ATTN: WAYNE WILDMAN

LOT 12
BLOCK 0
CB 4829
AC. 2.5
MRW BLANCO SUBDIVISON
PLAT NO. 22-11800425
VOL. XXXX PG. XXX

DATE	ISSUE REVISED



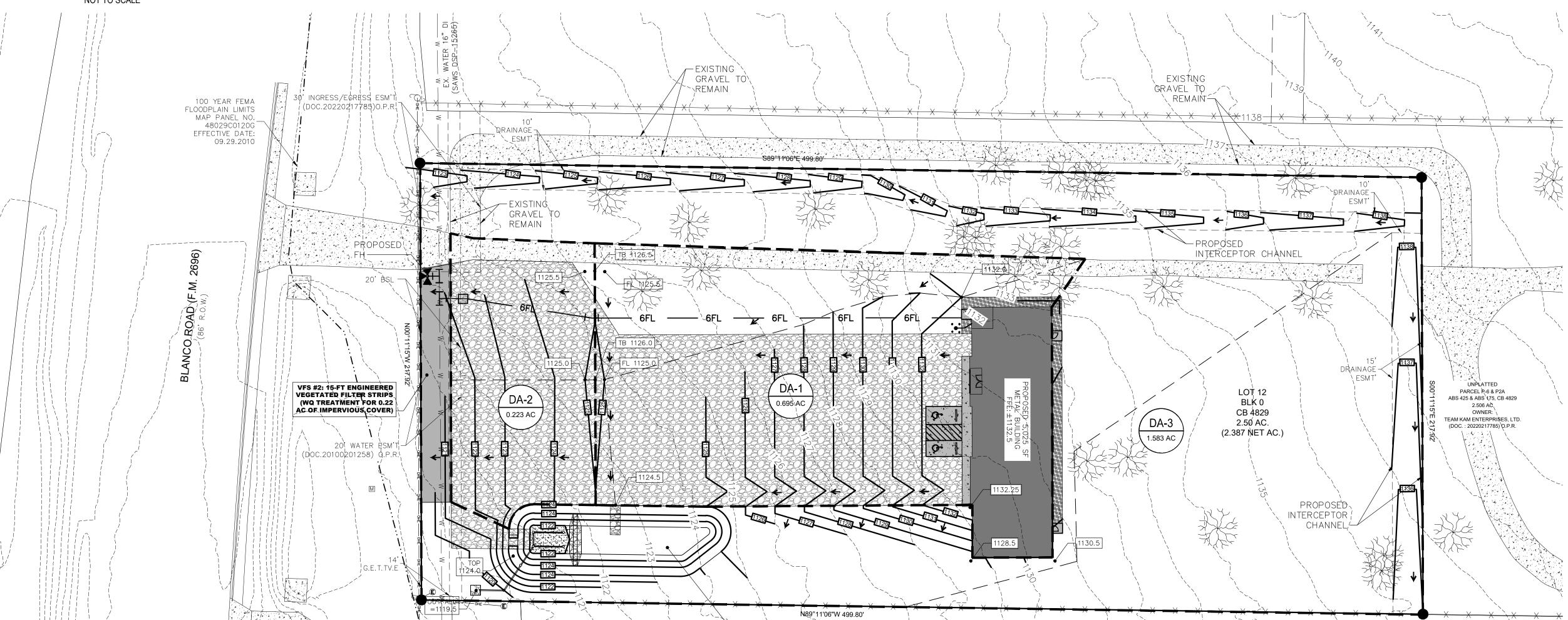
* NOTE: ACTUAL LAYOUT DETERMINED IN FIELD. SHOULD BE PLACED IN THE PROXIMITY OF THE CONSTRUCTION ENTRANCE/EXIT AND NOT LOCATED NEAR A WELL, FLOODPLAIN, OR OTHER POTENTIAL SOURCES OF CONTAMINATION.

KEY NOTES

1	PROPOSED GRAVEL MILLINGS PARKING LOT
2	PROPOSED ENTRANCE LOCATION
3	PROPOSED BUILDING LOCATION
4	PROPOSED WATER QUALITY POND

#487722

LOCATION MAP NOT TO SCALE



WQ VOL RQD≒2,627 CF

WQ SED AREA RQD 253F (2FT

WQ SED AREA PROVIDED=902 SF (2FT

WQ FILTER AREA RQD=219 SF WQ FILTER AREA PROVIDED=275 SF

UNPLATTED \

PARCEL 7 ABS 425 CB 4829 6.6 AC PARCEL 2A ABS 176 CB 4833 3.3 AC

CLM INVESTMENT CO

(VOL. 4507 t PG2090) OPR

			PRE-DEV IMP	POST DEV IMP
DRAINAGE AREAS	ВМР	TOTAL (AC)	COVER (AC)	COVER (AC)
DA1	SF WQ POND	0.70	0.05	0.55
DA2	VFS	0.22	0.02	0.22
DA3	N/A	1.58	0.05	0.05
TOTALS		2.50	0.12	0.82

PROPOSED/ULTIMATE RUNOFF SUMMARY									
DRAINAGE AREAS	TOTAL (AC)	TC	С	15	125	1100	Q5	Q25	Q100
DA1	0.69	5	0.85	7.94	11.13	14.00	4.65	6.53	8.21
DA2	0.23	5	0.96	7.94	11.13	14.00	1.75	2.46	3.09
DA3	1.58	8	0.47	6.86	9.56	11.94	5.01	7.10	8.87
TOTAL DP1	2.50						11.41	16.09	20.17

EXISTING RUNOFF SUMMARY									
DRAINAGE AREAS	TOTAL (AC)	TC	С	15	125	I100	Q5	Q25	Q100
DA1	2.50	9	0.72	6.58	9.147	11.408	11.84	16.46	20.53
TOTAL DP1	2.50						11.84	16.46	20.53

OWNER/DEVELOPER: MR.W FIREWORKS, INC. 12221 FM 476 (P.O. BOX 114) SOMERSET, TEXAS 78069 ATTN: WAYNE WILDMAN

LEGAL DESCRIPTION
LOT 12
BLOCK 0
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AC. 2.5
MRW BLANCO SUBDIVISON
PLAT NO. 22-11800425

VOL. XXXX PG. XXX

DATE	ISSUE REVISED



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

LEGEND

, D. . D. . D.

—— SF —— SF ——

TRUCK PULL

GAS VALVE

LIGHT POLE

WATER VALVE

CONTROL POINT

POWER POLE

BENCH MARK

STORM GRATE

SANITARY SEWER MANHOLE

STORM WATER MANHOLE

1/2" IRON ROD FOUND

PIN FLAG OR PAINT STRIPE

1/2" IRON ROD W/CAP

ROAD W/NO CURB EXISTING CURB

PROPOSED CURB

EXISTING CONCRETE

EXISTING ASPHALT

EXISTING GRAVEL

EXISTING BUILDING

PROPOSED CONCRETE

PROPOSED ASPHALT

PROPOSED GRAVEL

PROPOSED BUILDING

EXISTING SPOT GRADE

PROPOSED CONTOURS

WATER LINE

WIRE FENCE

WOOD FENCE

EXISTING TREE

FLOW ARROWS

SILT FENCE

LIMITS OF CONSTRUCTION

PROPOSED SPOT GRADES

FIRE HOSE HAND PULL

FIRE HOSE TRUCK PULL

DRAINAGE AREA

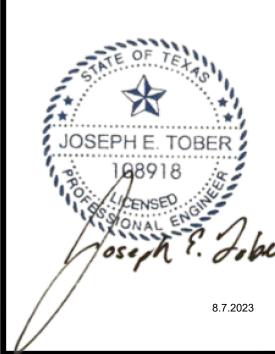
CHAIN LINK FENCE

FIRE HYDRANT

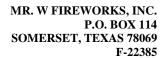
SOMERSET, TEXAS 78069



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ON-SITE DRAINAGE AREA MAPS





August 7, 2023

<u>Attachment I – Inspection and Maintenance for BMPs</u>

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.



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

August 7, 2023

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.

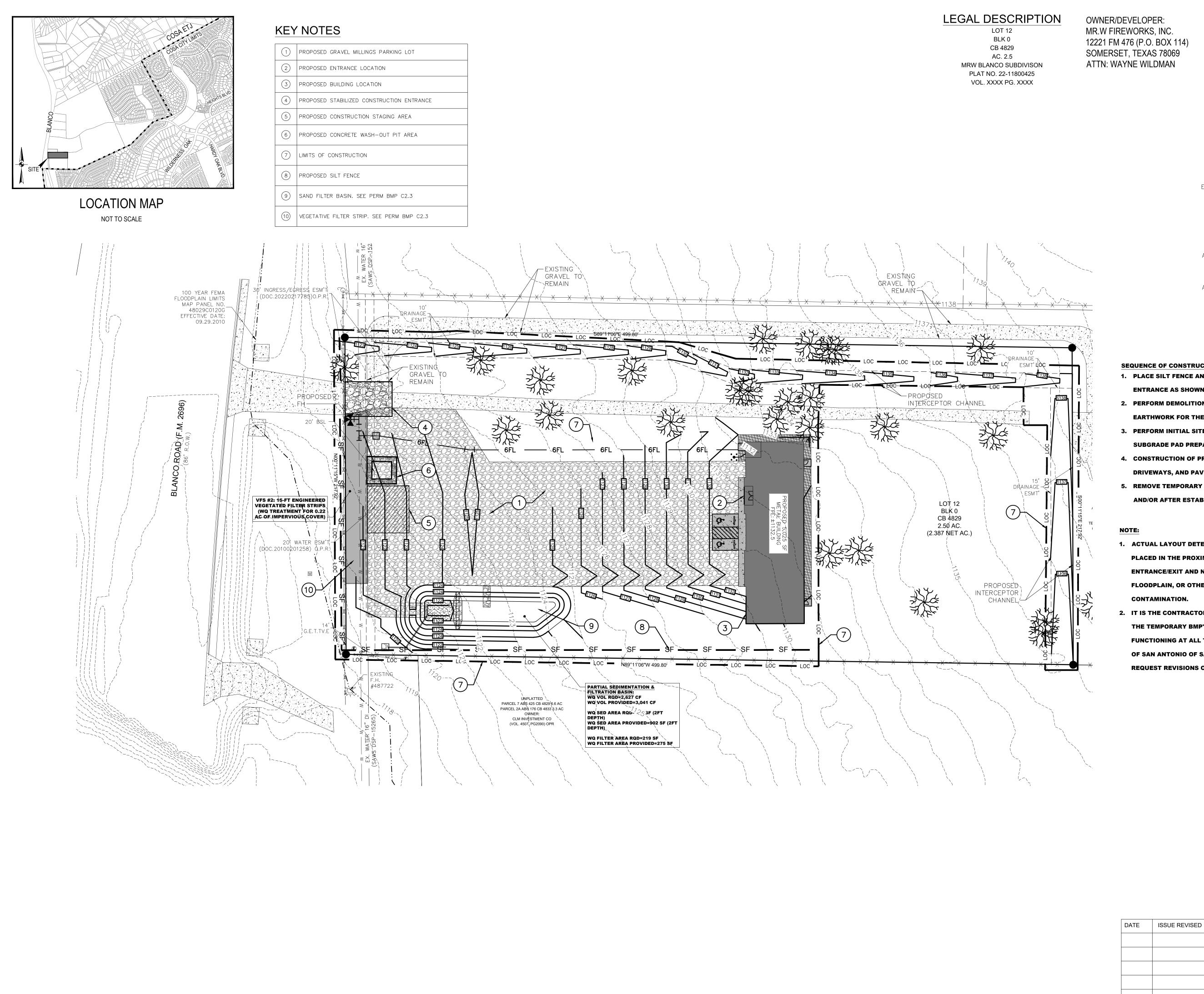
Mulching/mats can be used to protect the disturbed area while vegetation becomes established. Mulching involves applying plant residues or other suitable materials on disturbed soil surfaces. Mulches/mats used include tacked straw, wood chips, and jute netting and are often covered by blankets or netting. 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.

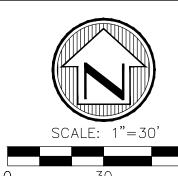
Consideration should be given to maintenance when designing mulching and matting schemes. Plastic nets are often used to cover the mulch or mats; however, they can foul lawn mower blades if the area requires mowing.

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.



\\MWFSERVER\Users\Engineering\Projects\MWF - Blanco\Drawings\MWR-BLANCO CIVIL.dwg, 8/7/2023 12:36:58 PM, _AutoCAD PDF (High Quality Print).pc3



LEGEND

CONSTRUCTION STABILIZED CONSTRUCTION ENTRANCE/EXIT

STAGING AREA CONCRETE

AREAS OF SOIL STABILIZATION

AREAS OF SOIL DISTURBANCE

WASH-OUT PIT

AREAS TO BE REVEGETATED

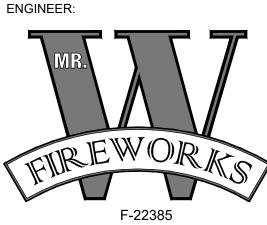
SEQUENCE OF CONSTRUCTION:

- 1. PLACE SILT FENCE AND STABILIZED CONSTRUCTION **ENTRANCE AS SHOWN.**
- 2. PERFORM DEMOLITION, CLEARING, GRUBBING, AND EARTHWORK FOR THE SITE.
- 3. PERFORM INITIAL SITE GRADING AND BUILDING SUBGRADE PAD PREPARATION PER PLANS.
- 4. CONSTRUCTION OF PROPOSED BUILDING, WALKWAYS, DRIVEWAYS, AND PAVEMENT.
- 5. REMOVE TEMPORARY BMP'S AFTER PAVING IS IN PLACE AND/OR AFTER ESTABLISHING VEGETATION.
- 1. 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
- 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE TEMPORARY BMP'S ARE IN PLACE AND FUNCTIONING AT ALL TIME. NOTIFY ENGINEER IF CITY OF SAN ANTONIO OF SAWS INSPECTION OFFICIALS REQUEST REVISIONS OR MODIFICATIONS TO THE PLAN.

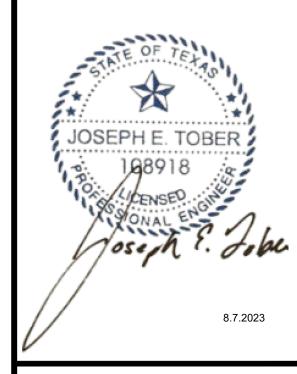


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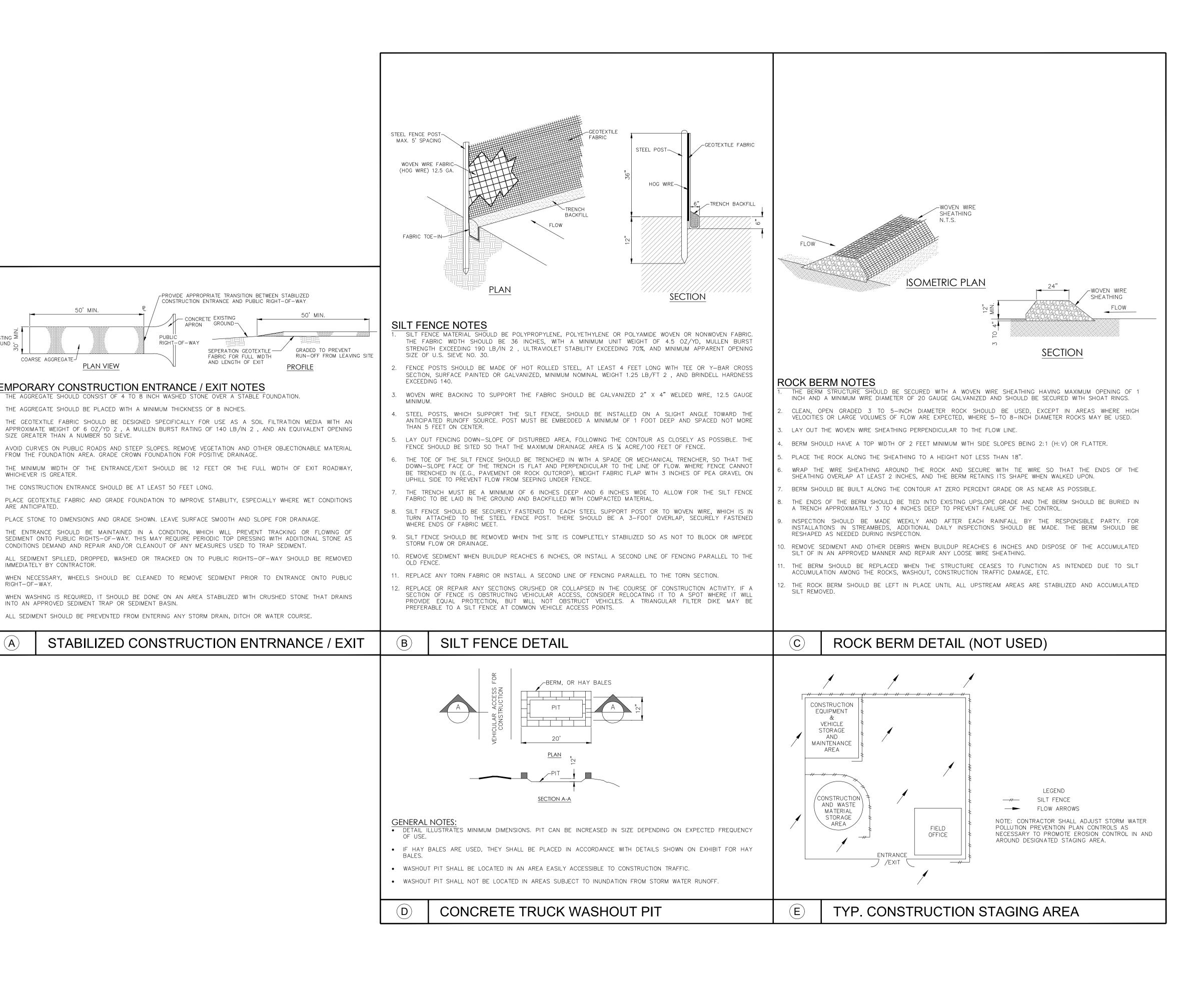
SUPERSTORE



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TEMPORARY BMP **PLAN**



DATE

ISSUE REVISED

PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED

SEPERATION GEOTEXTILE -

FABRIC FOR FULL WIDTH

AND LENGTH OF EXIT

CONSTRUCTION ENTRANCE AND PUBLIC RIGHT-OF-WAY

- CONCRETE EXISTING APRON GROUND

RIGHT-OF-WAY

COARSE AGGREGATE-

WHICHEVER IS GREATER.

IMMEDIATELY BY CONTRACTOR.

ARE ANTICIPATED.

RIGHT-OF-WAY.

SIZE GREATER THAN A NUMBER 50 SIEVE.

PLAN VIEW

TEMPORARY CONSTRUCTION ENTRANCE / EXIT NOTES

FROM THE FOUNDATION AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE.

2. THE AGGREGATE SHOULD BE PLACED WITH A MINIMUM THICKNESS OF 8 INCHES.

THE CONSTRUCTION ENTRANCE SHOULD BE AT LEAST 50 FEET LONG.

INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

THE AGGREGATE SHOULD CONSIST OF 4 TO 8 INCH WASHED STONE OVER A STABLE FOUNDATION.

3. PLACE STONE TO DIMENSIONS AND GRADE SHOWN. LEAVE SURFACE SMOOTH AND SLOPE FOR DRAINAGE.

CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

13. ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE.

TEMPORARY BMP PLAN DETAILS

8.7.2023

F-22385

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

OWNER:

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

SOMERSET, TEXAS 78069

ENGINEER:



PERMANENT STORMWATER SECTION

Permanent Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC $\S213.5(b)(4)(C)$, (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: <u>Joseph E. Tober, P.E.</u>

Date: <u>08.07.2023</u>
Signature of Customer/Agent

Regulated Entity Name: MRW Blanco

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. \square 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 multifamily 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.	business sites. 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.	\boxtimes	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

insp	achment G - Inspection, Maintenance, Repair and Retrofit Plan . A plan for the ection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and asures 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	
reco	achment H - Pilot-Scale Field Testing Plan. Pilot studies for BMPs that are not ognized by the Executive Director require prior approval from the TCEQ. A plan for t-scale field testing is attached.
⊠ N/A	
of the and and created by t	chment I -Measures for Minimizing Surface Stream Contamination. A description he measures that will be used to avoid or minimize surface stream contamination changes in the way in which water enters a stream as a result of the construction development is attached. The measures address increased stream flashing, the ation of stronger flows and in-stream velocities, and other in-stream effects caused he regulated activity, which increase erosion that results in water quality radation.
☐ N/A	
Respon	sibility for Maintenance of Permanent BMP(s)
-	lity for maintenance of best management practices and measures after in is complete.
unti enti owr owr resp	applicant is responsible for maintaining the permanent BMPs after construction il such time as the maintenance obligation is either assumed in writing by another ty having ownership or control of the property (such as without limitation, an ner's association, a new property owner or lessee, a district, or municipality) or the nership of the property is transferred to the entity. Such entity shall then be consible for maintenance until another entity assumes such obligations in writing or nership is transferred.
□ N/A	A
app mul or a	opy of the transfer of responsibility must be filed with the executive director at the ropriate regional office within 30 days of the transfer if the site is for use as a tiple single-family residential development, a multi-family residential development, non-residential development such as commercial, industrial, institutional, schools, other sites where regulated activities occur.
N/A	



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

August 7, 2023

Attachment A – 20% or Less Impervious Cover Waiver

n/a



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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. No runoff is expected to discharge onto the site originating upgradient of the development. There is a proposed interceptor channel that will capture and re-direct the flows from upgradient off site.



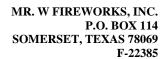




Best Management Practices will be installed on the site to treat the runoff water generated and ensure safe disposal of stormwater downstream. Control measures will be properly selected, installed, and maintained according to the designer's specifications. Controls will be developed to minimize the offsite transport of litter, construction debris, and construction materials.

Partial Sand Filter Basin will be installed on the southwestern portion of the site. The Sand Filter system works as follows:

- The sand filter basin is designed to function in stages. First stage is sedimentation and the second is the filtration.
- Water enters the sedimentation basin area from two locations and begins to pool and settle as the depth increases (see WPAP Site Plan and Basin Plan).
- Water settles and suspended solids are captured by the gabion berm prior to entering the sand filter area.
- Runoff then enters the sand filter area. As water increases in depth it flows through the 18" sand depth and is captured by the perforated underdrain piping.
- The treated runoff then exits the basin through the collector pipe.
- The basin is designed to accept a runoff volume above the required treated volume by utilizing an overflow weir system that allows flows above the required water quality volume to exit the basin. The overflow weir becomes active after the first flush of runoff (2-yr storm event) enters the system for full water quality treatment to remove 80% TSS.
- The pipe system and overflow weir outfall at the same location where runoff spreads and sheet flows as it exits the site.



August 7, 2023



The proposed Mr. W Fireworks is more than 20% impervious cover, therefore filtration is required for the runoff to Upper Salado Creek. The Sand Filter basin installed onsite ensures safe disposal of runoff to surface streams nearby.

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



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

August 7, 2023

Attachment E - Request to Seal Features

Not applicable



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

August 7, 2023

<u>Attachment F – Construction Plans</u>

See attached

TSS Removal Calculations 04-20-2009

Project Name: MRW Blanco Date Prepared: 08.02.23

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell. Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.

Characters shown in red are data entry fields.

Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_{M} = 27.2(A_{N} \times P)$

where:

 $L_{\text{M TOTAL PROJECT}}$ = Required TSS removal resulting from the proposed development = 80% of increased load

A_N = Net increase in impervious area for the project

P = Average annual precipitation, inches

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

County = 2.50 acres
Predevelopment impervious area within the limits of the plan * = 2.50 acres
Total post-development impervious area within the limits of the plan * = 0.12 acres
Total post-development impervious cover fraction * = 0.82 acres
Total post-development impervious cover fraction * = 0.33 inches

L_{M TOTAL PROJECT} = 573 lbs.

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

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

JOSEPH E. TOBER

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

Drainage Basin/Outfall Area No. =

Total drainage basin/outfall area = 0.70 acres
Predevelopment impervious area within drainage basin/outfall area = 0.05 acres
Post-development impervious area within drainage basin/outfall area = 0.55
Post-development impervious fraction within drainage basin/outfall area = 0.78

L_{M THIS BASIN} = 402 lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Sand Filter

Removal efficiency = **89** percent

Aqualogic Cartridge Filter Bioretention Contech StormFilter Constructed Wetland Extended Detention Grassy Swale Retention / Irrigation Sand Filter Stormceptor Vegetated Filter Strips Vortechs Wet Basin Wet Vault

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

RG-348 Page 3-33 Equation 3.7: L_R = (BMP efficiency) x P x (A_I x 34.6 + A_P x 0.54)

where: A_C = Total On-Site drainage area in the BMP catchment area

 $A_{\rm I}$ = Impervious area proposed in the BMP catchment area

A_P = Pervious area remaining in the BMP catchment area

L_R = TSS Load removed from this catchment area by the proposed BMP

Desired L_{M THIS BASIN} = 440 lbs.

> F = 0.87

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

Calculations from RG-348

Pages 3-34 to 3-36

Pages 3-42 to 3-46

Rainfall Depth = 1.44 inches

Post Development Runoff Coefficient = 0.60

On-site Water Quality Volume = 2189 cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP = 0.00 acres Off-site Impervious cover draining to BMP = 0.00 acres

Impervious fraction of off-site area = n Off-site Runoff Coefficient = 0.00

> Off-site Water Quality Volume = cubic feet 0

> > Storage for Sediment = 438

Total Capture Volume (required water quality volume(s) x 1.20) = 2627 cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP.

values for BMP Types not selected in cell C45 will show NA.

7. Retention/Irrigation System Designed as Required in RG-348

Required Water Quality Volume for retention basin = NΑ cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate = 0.1 in/hr Enter determined permeability rate or assumed value of 0.1

Irrigation area = NA square feet NA acres

8. Extended Detention Basin System Designed as Required in RG-348 Pages 3-46 to 3-51

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

9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin = 2627 cubic feet

> Minimum filter basin area = 122 square feet

square feet For minimum water depth of 2 feet Maximum sedimentation basin area = 1094 square feet For maximum water depth of 8 feet Minimum sedimentation basin area = 274

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins = 2627 cubic feet

> Minimum filter basin area = 219 square feet

Maximum sedimentation basin area = 876 square feet For minimum water depth of 2 feet square feet For maximum water depth of 8 feet Minimum sedimentation basin area = 55

Designed as Required in RG-348 Pages 3-63 to 3-65 10. Bioretention System

> Required Water Quality Volume for Bioretention Basin = cubic feet

11. Wet Basins Designed as Required in RG-348 Pages 3-66 to 3-71

> Required capacity of Permanent Pool = NA cubic feet Permanent Pool Capacity is 1.20 times the WQV Required capacity at WQV Elevation = NΑ cubic feet **Total Capacity should be the Permanent Pool Capacity**

nlus a second WQV.

12. Constructed Wetlands Designed as Required in RG-348 Pages 3-71 to 3-73

> Required Water Quality Volume for Constructed Wetlands = cubic feet

13. AquaLogic[™] Cartridge System Designed as Required in RG-348 Pages 3-74 to 3-78

^{** 2005} Technical Guidance Manual (RG-348) does not exempt the required 20% increase with maintenance contract with AquaLogic™.

TSS Removal Calculations 04-20-2009

Project Name: MRW Blanco
Date Prepared: 08.02.23

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell. Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.

Characters shown in red are data entry fields.

Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_{M} = 27.2(A_{N} \times P)$

where:

 $L_{M \, TOTAL \, PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load

A_N = Net increase in impervious area for the project

P = Average annual precipitation, inches

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

	Bexar	County =
acres	2.50	Total project area included in plan *=
acres	0.12	Predevelopment impervious area within the limits of the plan * =
acres	0.82	Total post-development impervious area within the limits of the plan * =
Ī	0.33	Total post-development impervious cover fraction * =
inches	30	P =
_		-

L_{M TOTAL PROJECT} = 573 lbs.

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

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

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

Drainage Basin/Outfall Area No. = 3

Total drainage basin/outfall area = 1.58 acres
Predevelopment impervious area within drainage basin/outfall area = 0.05 acres
Post-development impervious area within drainage basin/outfall area = 0.05 acres
Post-development impervious fraction within drainage basin/outfall area = 0.03

L_{M THIS BASIN} =

0 lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Vegetated Filter Strips
Removal efficiency = 85 percent

JOSEPH E. TOBER
198918
08.08.23

Aqualogic Cartridge Filter Bioretention Contech StormFilter Constructed Wetland Extended Detention Grassy Swale Retention / Irrigation Sand Filter Stormceptor Vegetated Filter Strips Vortechs Wet Basin Wet Vault

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

RG-348 Page 3-33 Equation 3.7: L_R = (BMP efficiency) x P x (A_I x 34.6 + A_P x 0.54)

where:

 A_{C} = Total On-Site drainage area in the BMP catchment area

 A_{l} = Impervious area proposed in the BMP catchment area

 \mathbf{A}_{P} = Pervious area remaining in the BMP catchment area

 L_{R} = TSS Load removed from this catchment area by the proposed BMP

 $A_{C} = 1.58$ acres $A_{I} = 0.05$ acres $A_{P} = 1.53$ acres $L_{R} = 65$ lbs

Desired L_{M THIS BASIN} = lbs.

> F = 0.00

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

Calculations from RG-348

Pages 3-34 to 3-36

Pages 3-42 to 3-46

Rainfall Depth = #N/A inches

Post Development Runoff Coefficient = 0.06

On-site Water Quality Volume = #N/A cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP = 0.00 acres Off-site Impervious cover draining to BMP = 0.00 acres

Impervious fraction of off-site area = n Off-site Runoff Coefficient = 0.00

Off-site Water Quality Volume = cubic feet #N/A

> Storage for Sediment = #N/A

Total Capture Volume (required water quality volume(s) x 1.20) = #N/A cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP.

7. Retention/Irrigation System

values for BMP Types not selected in cell C45 will show NA. Designed as Required in RG-348

> Required Water Quality Volume for retention basin = NΑ cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate = 0.1 in/hr Enter determined permeability rate or assumed value of 0.1

Irrigation area = NA square feet NA acres

8. Extended Detention Basin System Designed as Required in RG-348 Pages 3-46 to 3-51

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

9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin = cubic feet

> Minimum filter basin area = NA square feet

square feet For minimum water depth of 2 feet Maximum sedimentation basin area = NΔ square feet For maximum water depth of 8 feet Minimum sedimentation basin area = NΑ

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins = cubic feet

> Minimum filter basin area = NA square feet

Maximum sedimentation basin area = NA square feet For minimum water depth of 2 feet square feet For maximum water depth of 8 feet Minimum sedimentation basin area = NΑ

Designed as Required in RG-348 Pages 3-63 to 3-65 10. Bioretention System

> Required Water Quality Volume for Bioretention Basin = cubic feet

11. Wet Basins Designed as Required in RG-348 Pages 3-66 to 3-71

> Required capacity of Permanent Pool = NA cubic feet Permanent Pool Capacity is 1.20 times the WQV Required capacity at WQV Elevation = NΑ cubic feet **Total Capacity should be the Permanent Pool Capacity**

plus a second WQV.

12. Constructed Wetlands Designed as Required in RG-348 Pages 3-71 to 3-73

> Required Water Quality Volume for Constructed Wetlands = cubic feet

13. AquaLogic[™] Cartridge System Designed as Required in RG-348 Pages 3-74 to 3-78

^{** 2005} Technical Guidance Manual (RG-348) does not exempt the required 20% increase with maintenance contract with AquaLogic™.

TSS Removal Calculations 04-20-2009

Project Name: MRW Blanco
Date Prepared: 08.02.23

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell. Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.

Characters shown in red are data entry fields.

Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_{M} = 27.2(A_{N} \times P)$

where: $L_{M TOTAL \ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load A_N = Net increase in impervious area for the project

P = Average annual precipitation, inches

lhs

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

County = Bexar
Total project area included in plan * = 2.50 acres
Predevelopment impervious area within the limits of the plan * = 0.12 acres
Total post-development impervious area within the limits of the plan * = 0.82 acres
Total post-development impervious cover fraction * = 0.33
P = 30 inches

L_{M TOTAL PROJECT} = 573

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

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

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

Drainage Basin/Outfall Area No. = 2

Total drainage basin/outfall area = 0.22 acres
Predevelopment impervious area within drainage basin/outfall area = 0.02 acres
Post-development impervious area within drainage basin/outfall area = 0.22 acres
Post-development impervious fraction within drainage basin/outfall area = 0.99

 $L_{\text{M THIS BASIN}} = 165$ lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Vegetated Filter Strips
Removal efficiency = 85 percent

Aqualogic Cartridge Filter Bioretention Contech StormFilter Constructed Wetland Extended Detention Grassy Swale Retention / Irrigation Sand Filter Stormceptor Vegetated Filter Strips Vortechs Wet Basin Wet Vault

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

RG-348 Page 3-33 Equation 3.7: L_R = (BMP efficiency) x P x (A_I x 34.6 + A_P x 0.54)

where: A_C = Total On-Site drainage area in the BMP catchment area

 \boldsymbol{A}_{l} = Impervious area proposed in the BMP catchment area

 A_p = Pervious area remaining in the BMP catchment area L_R = TSS Load removed from this catchment area by the proposed BMP

 $A_{C} = 0.22$ acres $A_{I} = 0.22$ acres $A_{P} = 0.00$ acres $L_{R} = 194$ lbs

Desired L_{M THIS BASIN} = 165 lbs.

F = 0.85

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

Calculations from RG-348

Pages 3-34 to 3-36

Rainfall Depth = 1.32 inches

Post Development Runoff Coefficient = 0.81

On-site Water Quality Volume = 861 cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP = 0.00 acres
Off-site Impervious cover draining to BMP = 0.00 acres

Impervious fraction of off-site area = 0
Off-site Runoff Coefficient = 0.00

Off-site Water Quality Volume = 0 cubic feet

Storage for Sediment = 172

Total Capture Volume (required water quality volume(s) x 1.20) = 1033 cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP.

The values for BMP Types not selected in cell C45 will show NA.

7. Retention/Irrigation System Designed as

Designed as Required in RG-348 Pages 3-42 to 3-46

Required Water Quality Volume for retention basin = NA cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate = 0.1 in/hr Enter determined permeability rate or assumed value of 0.1

Irrigation area = NA square feet NA acres

8. Extended Detention Basin System Designed as Required in RG-348 Pages 3-46 to 3-51

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

9. Filter area for Sand Filters Designed as Required in RG-348 Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin = NA cubic feet

Minimum filter basin area = NA square feet

Maximum sedimentation basin area = NA square feet For minimum water depth of 2 feet
Minimum sedimentation basin area = NA square feet For maximum water depth of 8 feet

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins = NA cubic feet

Minimum filter basin area = NA square feet

Maximum sedimentation basin area = NA square feet For minimum water depth of 2 feet
Minimum sedimentation basin area = NA square feet For maximum water depth of 8 feet

10. Bioretention System Designed as Required in RG-348 Pages 3-63 to 3-65

Required Water Quality Volume for Bioretention Basin = NA cubic feet

11. Wet Basins Designed as Required in RG-348 Pages 3-66 to 3-71

Required capacity of Permanent Pool = NA cubic feet Permanent Pool Capacity is 1.20 times the WQV
Required capacity at WQV Elevation = NA cubic feet Cubic

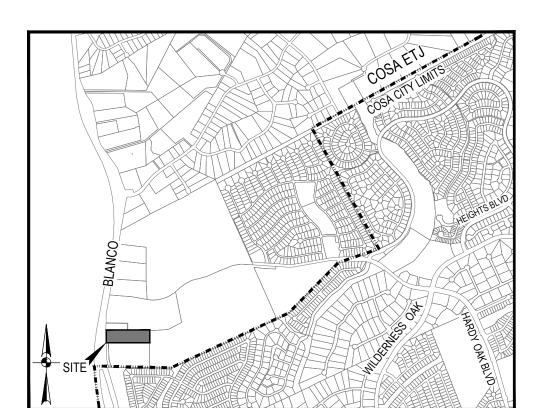
plus a second WQV.

<u>12. Constructed Wetlands</u>
Designed as Required in RG-348
Pages 3-71 to 3-73

Required Water Quality Volume for Constructed Wetlands = NA cubic feet

13. AquaLogic[™] Cartridge System Designed as Required in RG-348 Pages 3-74 to 3-78

^{** 2005} Technical Guidance Manual (RG-348) does not exempt the required 20% increase with maintenance contract with AquaLogic™.



LOCATION MAP NOT TO SCALE

Texas Commission on Environmental Quality Water Pollution Abatement Plan

General Construction Notes

- A written notice of construction must be submitted to the TCEQ regional office at least 48 hours prior to the start 7. Sediment must be removed from the sediment traps or sedimentation basins not later than when it occupies of any regulated activities. This notice must include:
 - the name of the approved project;
 - the activity start date; and - the contact information of the prime contractor.

30' INGRESS/EGRESS ESM'TI

VFS #2: 15-FT ENGINEERED

VEGETATED FILTER STRIPS

(WQ TREATMENT FOR 0.22 AC OF IMPERVIOUS COVER)

(DOC.20100201258) Q.P.R.\

20 WATER PSM'T

100 YEAR FEMA

FLOODPLAIN LIMITS MAP PANEL NO._ 48029C0120G EFFECTIVE DATE: 09.29.2010

- 2. All contractors conducting regulated activities associated with this project must be provided with complete 9. All spoils (excavated material) generated from the project site must be stored on-site with proper E&S controls. copies of the approved Water Pollution Abatement Plan (WPAP) and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractors are required to keep on-site copies of the approved plan and approval letter.
- 3. If any sensitive feature(s) (caves, solution cavity, sink hole, etc.) is discovered during construction, all regulated 10. If portions of the site will have a temporary or permanent cease in construction activity lasting longer than 14 Austin, Texas 78753-1808 activities near the sensitive feature must be suspended immediately. The appropriate TCEQ regional office must be immediately notified of any sensitive features encountered during construction. Construction activities may not be resumed until the TCEQ has reviewed and approved the appropriate protective measures in order to protect any sensitive feature and the Edwards Aquifer from potentially adverse impacts to water quality.
- No temporary or permanent hazardous substance storage tank shall be installed within 150 feet of a water supply source, distribution system, well, or sensitive feature.
- 5. Prior to beginning any construction activity, all temporary erosion and sedimentation (E&S) control measures must be properly installed and maintained in accordance with the approved plans and manufacturers specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. These controls must remain in place until the disturbed areas have been permanently stabilized.

GRAVEL TO

- 6. Any sediment that escapes the construction site must be collected and properly disposed of before the next rain 12. The holder of any approved Edward Aquifer protection plan must notify the appropriate regional office in writing and obtain approval from the executive director prior to initiating any of the following:
- event to ensure it is not washed into surface streams, sensitive features, etc. A. any physical or operational modification of any water pollution abatement structure(s), including but not
- 8. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged offsite.
- For storage or disposal of spoils at another site on the Edwards Aquifer Recharge Zone, the owner of the site

must receive approval of a water pollution abatement plan for the placement of fill material or mass grading prior

- days, soil stabilization in those areas shall be initiated as soon as possible prior to the 14th day of inactivity. If Phone (512) 339-2929 activity will resume prior to the 21st day, stabilization measures are not required. If drought conditions or Fax (512) 339-3795
- inclement weather prevent action by the 14th day, stabilization measures shall be initiated as soon as possible.
- 11. The following records shall be maintained and made available to the TCEQ upon request:
 - the dates when major grading activities occur; - the dates when construction activities temporarily or permanently cease on a portion

N89°11'06"W 499.80'

WQ VOL RQD=2,627 CF

 \mathbf{WQ}' SED AREA RQD- $^{\prime}$ <53F (2FT

WQ SED AREA PROVIDED=902 SF (2FT

WQ FILTER AREA RQD=219 SF WQ FILTER AREA PROVIDED=275 SF

UNPLATTED PARCEL 7 ABS 425 CB 4829 6.6 AC PARCEL 2A ABS 176 CB 4833 3.3 AC

CLM INVÉSTMENT CO

(VOL. 4507 PG2090) OPR

- the dates when stabilization measures are initiated.

50% of the basin's design capacity.

to the placement of spoils at the other site.

of the site; and

GRAVEL TO REMAIN

limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;

- B. any change in the nature or character of the regulated activity from that which was originally approved or a
- change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;
- C. any development of land previously identified as undeveloped in the original water pollution abatement

Austin Regional Office 12100 Park 35 Circle, Building A

Phone (210) 490-3096 Fax (210) 545-4329

GRAVEL TO

REMAINT-

INTERCEPTOR CHANNEL

LOT 12

BLK 0

CB 4829

2.50 AC. (2.387 NET AC.) DRAINAGE -

PROPOSÉD.

INTERCEPTOR ! CHANNEL/—

San Antonio Regional Office 14250 Judson Road San Antonio, Texas 78233-4480

/ 1130.5

	PROPERTY LINE
SF SF	SILT FENCE
LOC LOC	LIMITS OF CONSTRUCTION
	STABILIZED CONSTRUCTION ENTRANCE/EXIT
	STAGING AREA
	CONCRETE WASH-OUT PIT
	AREAS OF SOIL STABILIZATION
	AREAS OF SOIL DISTURBANCE
r	AREAS TO BE

KEY NOTES

1	PROPOSED GRAVEL MILLINGS PARKING LOT
2	PROPOSED ENTRANCE LOCATION
3	PROPOSED BUILDING LOCATION

LEGEND

	PROPERTY LINE
SF SF	SILT FENCE
LOC LOC	LIMITS OF CONSTRUCTION
	STABILIZED CONSTRUCTION ENTRANCE/EXIT
	STAGING AREA
	CONCRETE WASH-OUT PIT
	AREAS OF SOIL STABILIZATION
	AREAS OF SOIL DISTURBANCE
	AREAS TO BE REVEGETATED

\ □ I	NOIES	
		_

	PROPOSED GRAVEL MILLINGS PARKING LOT
2	PROPOSED ENTRANCE LOCATION
3	PROPOSED BUILDING LOCATION

			PRE-DEV IMP	POST DEV IMP	TSS LOAD
DRAINAGE AREAS	ВМР	TOTAL (AC)	COVER (AC)	COVER (AC)	REMOVAL (LBS)
DA1	SF WQ POND	0.70	0.05	0.55	440
DA2	VFS	0.22	0.02	0.22	165
DA3	N/A	1.58	0.05	0.05	0
TOTALS		2.50	0.12	0.82	605

LEGAL DESCRIPTION

OWNER/DEVELOPER: MR.W FIREWORKS, INC. 12221 FM 476 (P.O. BOX 114) SOMERSET, TEXAS 78069 ATTN: WAYNE WILDMAN

BLK 0 CB 4829 AC. 2.5 MRW BLANCO SUBDIVISON PLAT NO. 22-11800425

VOL. XXXX PG. XXX

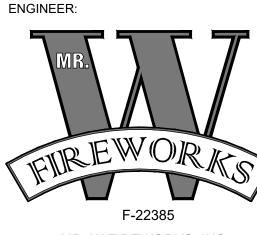
DATE ISSUE REVISED



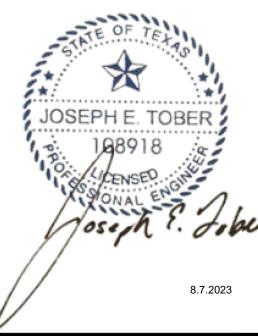
MR. W FIREWORKS, INC 12221 FM 476 SOMERSET, TEXAS 78069 P.O. BOX 114 SOMERSET, TEXAS 78069

ERSTORE

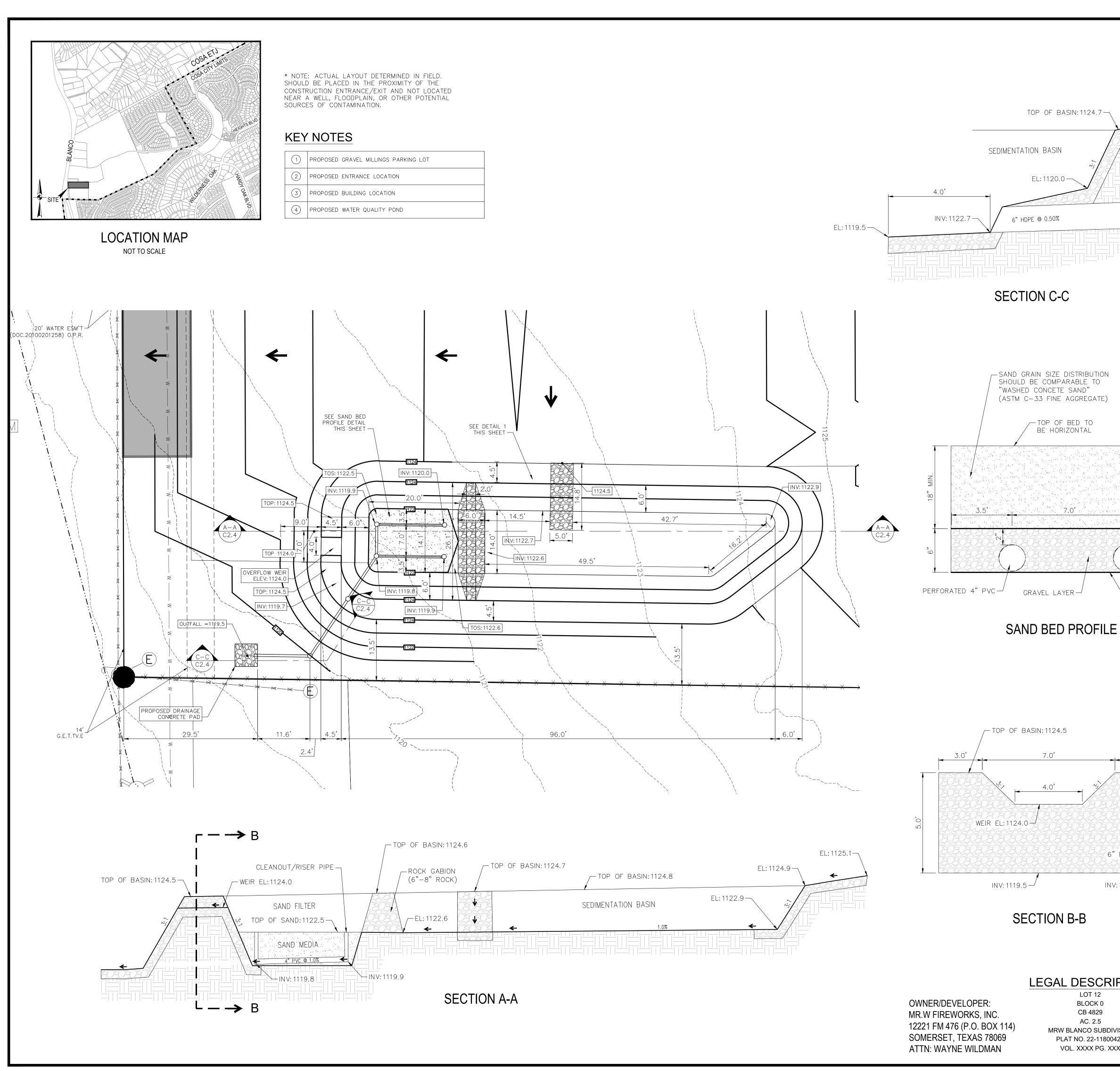
REW

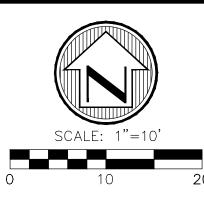


MR. W FIREWORKS, INC 12221 FM 476 SOMERSET, TEXAS 78069 P.O. BOX 114 SOMERSET, TEXAS 78069



PERM BMP PLAN **DETAILS**





<u>LE</u>	<u>GEND</u>
GAS VALVE	©
FIRE HYDRANT	
LIGHT POLE	X
WATER VALVE	
SANITARY SEWER MANHOLE	(S)
STORM WATER MANHOLE	SW
SIGN	$ \stackrel{\wedge}{\Upsilon} $
CONTROL POINT	
POWER POLE	
1/2" IRON ROD FOUND	
BENCH MARK	•
STORM GRATE	
PIN FLAG OR PAINT STRIPE	
1/2" IRON ROD W/CAP	
ROAD W/NO CURB	- Ili Ili
EXISTING CURB	
PROPOSED CURB	
EXISTING CONCRETE	ν Δ
EXISTING ASPHALT	
EXISTING GRAVEL	
EXISTING BUILDING	

FIRE HYDRANT	-
LIGHT POLE	X
WATER VALVE	
SANITARY SEWER MANHOLE	(S)
STORM WATER MANHOLE	SW
SIGN	Ŷ
CONTROL POINT	\bigcirc
POWER POLE	
1/2" IRON ROD FOUND	
BENCH MARK	
STORM GRATE	
PIN FLAG OR PAINT STRIPE	
1/2" IRON ROD W/CAP	
ROAD W/NO CURB	— III III
EXISTING CURB	
PROPOSED CURB	
EXISTING CONCRETE	D
EXISTING ASPHALT	
EXISTING GRAVEL	
EXISTING BUILDING	
PROPOSED CONCRETE	A A A
PROPOSED ASPHALT	
PROPOSED GRAVEL	
PROPOSED BUILDING	
EXISTING CONTOURS	— — — —1172— — —
EXISTING SPOT GRADE	805.50 ×
PROPOSED CONTOURS	801
6" FIRE LINE	6FL
WATER LINE	W
WIRE FENCE	
CHAIN LINK FENCE	
WOOD FENCE	

EXISTING TREE

FLOW ARROWS

SILT FENCE

HAND PULL

TRUCK PULL

LIMITS OF CONSTRUCTION

PROPOSED SPOT GRADES

FIRE HOSE HAND PULL

FIRE HOSE TRUCK PULL

ENGINEER: F-22385 —— SF —— SF —— MR. W FIREWORKS, INC

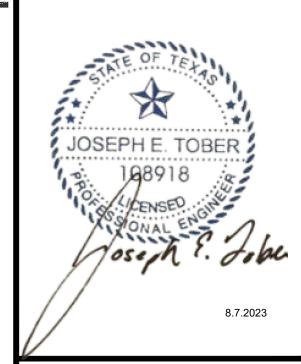
MR. W FIREWORKS, INC 12221 FM 476

SOMERSET, TEXAS 78069

P.O. BOX 114 SOMERSET, TEXAS 78069

SUPERSTORE

12221 FM 476 SOMERSET, TEXAS 78069 P.O. BOX 114 SOMERSET, TEXAS 78069



WATER QUALITY POND

LEGAL DESCRIPTION

6" PVC

INV: 1119.5 —

PERFORATION LAYOUT

GEOTEXTILE FABRIC

└_IMPERMEABLE LAYER

(CLAY LINER)

BE HORIZONTAL

BLOCK 0 CB 4829 AC. 2.5 PLAT NO. 22-11800425

MRW BLANCO SUBDIVISON VOL. XXXX PG. XXX

DATE ISSUE REVISED



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

August 8, 2023

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

The Permanent BMP for this project will be the installment of a Sand Filter basin and a 15' engineered vegetative filter strip. The following document regarding the inspection and maintenance schedule and procedures has been prepared to provide a description and schedule for the performance of maintenance of permanent pollution prevention measures. The project specific water pollution abatement plan should be reviewed to determine more information regarding the implemented BMP's.

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

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

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

Wayne Wildman President/Owner

Mr. W Fireworks, Inc.

Data



INSPECTION AND MAINTENANCE SCHEDULE FOR PERMANENT POLLUTION ABATEMENT MEASURES

MAINTENANCE PROCEDURES FOR PERMANENT POLLUTION ABATEMENT MEASURES

Note: Additional guidance can be obtained from TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) Section 3.5.

Inspections

Inspections should take place a minimum of twice a year. One inspection should take place during wet weather to determine if the basin is meeting the target detention time of 12 hours and a drawdown time of no more than 48 hours. The remaining inspections should occur between storm events so that manual operation of the valve and controller can be verified. The level sensor in the basin should be inspected and any debris or sediment in the area should be removed. The outlet structure and the trash screen should be inspected for signs of clogging. Debris and sediment should be removed from the orifice and outlet(s) as described in previous sections. Debris obstructing the valve should be removed. During each inspection, erosion areas inside and downstream of this BMP should be identified and repaired/revegetated immediately. *A written record should be kept of inspection results and corrective measures taken*.

Mowing

The basin, basin side-slopes, and embankment of the basin must be mowed to prevent woody growth and control weeds. A mulching mower should be used, or the grass clippings should be caught and removed. Mowing should take place at least twice a year, or more frequently if vegetation exceeds 18 inches in height. More frequent mowing to maintain aesthetic appeal may be necessary in landscaped areas.

Litter and Debris Removal

Litter and debris removal should take place at least twice a year, as part of the periodic mowing operations and inspections. Debris and litter should be removed from the surface of the basin. Particular attention should be paid to floatable debris around the outlet structure. The outlet should be checked for possible clogging or obstructions and any debris removed.

Erosion control

The basin side slopes and embankment all may periodically suffer from slumping and erosion. To correct these problems, corrective action, such as regrading and revegetation, may be necessary. Correction of erosion control should take place whenever required based on the periodic inspections.



Level Sensor

The level sensor in the basin should be inspected and any debris or sediment in the area should be removed. Litter and debris removal should take place at least twice a year, as part of the periodic mowing operations and inspections. Debris and litter should be removed from the surface of the basin.

Nuisance Control

Standing water or soggy conditions may occur in the basin. Some standing water may occur after a storm event since the valve may close with 2 to 3 inches of water in the basin. Some flow into the basin may also occur between storms due to spring flow and residential water use that enters the storm sewer system. Twice a year, the facility should be evaluated in terms of nuisance control (insects, weeds, odors, algae, etc.).

Structural Repairs and Replacement

With each inspection, any damage to structural elements of the basin (pipes, concrete drainage structures, retaining walls, etc.) should be identified and sealing of voids, removal of vegetation from cracks and joints. The various inlet/outlet structures in a basin will eventually deteriorate and must be replaced. A written record should be kept of inspection results and corrective measures taken

Discharge Pipe

The basin discharge pipe shall be checked for accumulation of silt, debris or other obstructions which could block flow. Soil accumulations, vegetative overgrowth and other blockages should be cleared from the pipe discharge point. Erosion at the point of discharge shall be monitored. If erosion occurs, the addition of rock rubble to disperse the flow should be accomplished. A written record should be kept of inspection results and corrective measures taken

Detention and Drawdown Time

One inspection should take place during wet weather to determine if the basin is meeting the target detention time of 12 hours and a drawdown time of no more than 48 hours. This characteristic can be a sign of the need for maintenance. The minimum drawdown time is 24 hours. If drawdown time is less than 24 hours, the actuator valve shall be checked and partially closed to limit the drawdown time. Extensive drawdown time greater than 48 hours may indicated blockage of the discharge pipe. Corrective actions should be performed and completed within 15 working days. A written record of the inspection findings and corrective actions performed should be made.

Sediment Removal

A properly designed batch detention basin will accumulate quantities of sediment over time. The accumulated sediment can detract from the appearance of the facility and reduce the pollutant removal performance of the facility. The sediment also tends to accumulate near the outlet structure and can interfere with the level sensor operation.



Sediment shall be removed from the basin at least every 5 years, when sediment depth exceeds 6 inches, when the sediment interferes with the level sensor or when the basin does not drain within 48 hours. Care should be taken not to compromise the basin lining during maintenance.

Logic Controller

The Logic Controller should be inspected as part of the twice-yearly investigations. Verify that the external indicators (active, cycle in progress) are operating properly by turning the controller off and on, and by initiating a cycle by triggering the level sensor in the basin. The valve should be manually opened and closed using the open/close switch to verify valve operation and to assist in inspecting the valve for debris. The solar panel should be inspected and any dust or debris on the panel should be carefully removed. The controller and all other circuitry and wiring should be inspected for signs of corrosion, damage from insects, water leaks, or other damage. At the end of the inspection, the controller should be reset.

Vegetated Filter Strips

Vegetation height for native grasses shall be limited to no more than 18- inches. When vegetation exceeds that height, the filter strip shall be cut to a height of approximately 4 inches. Turf grass shall be limited to a height of 4-inches with regular maintenance that utilizes a mulching mower. Trash and debris shall be removed from filter strip prior to cutting. Check filter strip for signs of concentrated flow and erosion. Areas of filter strip showing signs of erosion shall be repaired by scarifying the eroded area, reshaping, regrading and placement of solid block sod over the affected area. A written record of the inspection findings and corrective actions performed should be made

Visually Inspect Security Fencing for Damage or Breach

Check maintenance access gates for proper operation. Damage to fencing or gates shall be repaired within 5 working days. *A written record should be kept of inspection results and maintenance performed.*

Recordkeeping Procedures for Inspections, Maintenance, Repairs, and Retrofits.

- Written records shall be kept by the party responsible for maintenance or a designated representative.
- Written records shall be retained for a minimum of five years.

Attachment H Pilot-Scale Field Testing Plan

NOT APPLICABLE



AGENT AUTHORIZATION FORM

Agent Authorization Form

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

l	Wayne Wildman	
	Print Name	
	President	
	Title - Owner/President/Other	
of	Mr. W Fireworks, Inc. Corporation/Partnership/Entity Name	
have authorized	Joseph E. Tober, P.E. 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.

MY COMMISSION EXPIRES:

Notary ID 126290716



APPLICATION FEE

Application Fee Form

Texas Commission on Environmental Quality				
Name of Proposed Regulated Entity: MRW Blanco				
Regulated Entity Location: 23306 Blanco Rd. San Antonio, TX 78260				
Name of Customer: Mr. W Firewo	rks, Inc.			
Contact Person: Joseph E. Tober, F	<u>P.E.</u> Pho	ne: <u>(210)622-3112</u>		
Customer Reference Number (if is	sued):CN <u>600916548</u>			
Regulated Entity Reference Numb	er (if issued):RN	_		
Austin Regional Office (3373)				
Hays	Travis	□w	illiamson	
San Antonio Regional Office (336)	2)	_		
Bexar	Medina	Пи	/alde	
Comal	Kinney		ruiuc	
		or manay arder navah	lo to the Tayes	
Application fees must be paid by o				
Commission on Environmental Qu	=			
form must be submitted with you	ir iee payment. This p	ayment is being subm	itted to:	
Austin Regional Office	\boxtimes	San Antonio Regional C	Office	
Mailed to: TCEQ - Cashier		Overnight Delivery to: ⁻	ΓCEQ - Cashier	
Revenues Section				
Mail Code 214	1	Building A, 3rd Floor		
P.O. Box 13088	,	Austin, TX 78753		
Austin, TX 78711-3088	ustin, TX 78711-3088 (512)239-0357			
Site Location (Check All That Appl	ly):			
Recharge Zone	Contributing Zone	. Transi	tion Zone	
Tuno of Plan			5 D	
Type of Plan		Size	Fee Due	
Water Pollution Abatement Plan,	•			
Plan: One Single Family Residentia		Acres	\$	
Water Pollution Abatement Plan, Contributing Zone				
Plan: Multiple Single Family Residential and Parks Acres \$			\$	
Water Pollution Abatement Plan, Contributing Zone			4 4 000	
			\$ 4,000	
Sewage Collection System		L.F.	\$	
Lift Stations without sewer lines		Acres	\$	
Underground or Aboveground Sto	Tanks	\$		
Piping System(s)(only)		Each	\$	
Exception		Each	\$	

Signature: _

Extension of Time

Date: <u>7.19</u>.23

1 of 2

Each \$

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



CORE DATA FORM



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.)											
		stration or Authoriz	,			-	tted with	h the pr	ogram applicatio	n.)	
	Renewal (Core Data Form should be submitted with the renewal form)										
2. Customer Reference Number (if issued) Follow this link to search 3. Regulated Entity Reference Number (if issued)						f issued)					
CN 6009	CN 600916548 for CN or RN numbers in Central Registry** RN										
SECTION II: Customer Information											
4. General C	4. General Customer Information 5. Effective Date for Customer Information Updates (mm/dd/yyyy) 7/19/2023							2023			
New Cust □Change in		me (Verifiable with		date to Cu retary of S				olle <u>r of F</u>	_ •	Ū	Entity Ownership
The Custo	mer Nar	ne submitted	here may be	updated	d auto	matic	ally ba	ased c	on what is cu	rrent and	active with the
Texas Sec	retary o	f State (SOS) o	or Texas Cor	nptrolle	r of Pu	ublic /	4ccou	nts (C	PA).		
6. Customer	Legal Na	me (If an individual,	, print last name fi	rst: eg: Doe	e, John)		<u>If n</u>	ew Cust	tomer, enter prev	ious Custome	er below:
Mr. W Fir		,									
	7. TX SOS/CPA Filing Number 8. TX State Tax ID (1				jits)				Tax ID (9 digits)	10. DUNS 066429	S Number (if applicable)
	7110207700										
11. Type of Customer: Corporation Individual Partnership: General Limited											
		County Federal] State Other		Sole P	ropriet	•		Other:		
12. Number of Employees □ 0-20 □ 21-100 □ 101-250 □ 251-500 □ 501 and higher □ 3. Independently Owned and Operated? □ Yes □ No											
14. Custome	r Role (Pr	oposed or Actual) –	as it relates to the	e Regulated	d Entity li	isted on	this form	n. Please	e check one of the	following	
Owner Occupatio	nal Licens	☐ Operato	or nsible Party		Owner & oluntar			olicant	☐Other:		
	P.O. B	3ox 114									
15. Mailing Address:											
Auuress.	City	Somerset		State	TX		ZIP	7806	9	ZIP + 4	
16. Country	Mailing In	formation (if outsid	de USA)			17. E	-Mail A	ddress	(if applicable)		
,		,							,,,,,		
18. Telephor	e Numbe	r	1	9. Extens	ion or (Code			20. Fax Number	er (if applicat	ole)
(210)622-3112 () -											
SECTION	III: R	egulated En	tity Inforn	nation							
21. General Regulated Entity Information (If 'New Regulated Entity" is selected below this form should be accompanied by a permit application)											
⊠ New Regulated Entity											
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 Bla	nco										

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	23306 E	Blanco Rd.										
23. Street Address of												
the Regulated Entity: (No PO Boxes)	City	San Antonio		State	TX	z	IP	78260		ZIP + 4		
24. County	Bexar					•		•			•	
	E	nter Physical	Loca	tion Description	on if no s	treet	address	s is pro	vided.			
25. Description to Physical Location:		-		•				•				
26. Nearest City	State Nearest ZIP Code										rest ZIP Code	
San Antonio								TX		782	260	
27. Latitude (N) In Deci	mal:	29.19321	42		28.	Long	jitude (V	V) In D	ecimal:	-98.6930	793	
Degrees	Minutes		Seco	onds	Deg	rees			Minutes		Seconds	
29		11		35.571			98		41 35.085			
29. Primary SIC Code (4	4 digits) 30.	Secondary SI	IC Co	de (4 digits)	31. Prim (5 or 6 dig	-	AICS C	ode	32. Se (5 or 6 c	econdary NA	ICS Code	
5092	59	99			423920				4539	998		
33. What is the Primary	Business o	f this entity?	(Do i	not repeat the SIC	or NAICS de	escripti	on.)					
Commercial Firew			,									
					P.	0. Bo	x 114					
34. Mailing	1.0.20											
Address:	City	City Somerset		State TX			ZIP 78069		ZIP + 4			
35. E-Mail Address	'											
	one Numbe	r		37. Extensio	n or Code	е		3	88. Fax Nur	mber <i>(if appl</i>	icable)	
()	-								() -		
39. TCEQ Programs and I form. See the Core Data Form	D Numbers (Check all Progra	ms an	d write in the per	mits/regist	ration	numbers	that will	be affected	by the updates	submitted on this	
Dam Safety	District			Edwards Aqui	fer	r Emissions Inventory Air Industrial Hazardous Wa						
		-										
☐ Municipal Solid Waste	☐ New S	ource Review Ai	ir [OSSF] Petrole	um Stor	age Tank	PWS		
Sludge	☐ Storm	Water		Title V Air			Tires			Used Oil		
☐ Voluntary Cleanup	☐ Waste	Water		☐ Wastewater A	griculture	culture				Other:		
SECTION IV: Pro	eparer Iı	<u>nformatio</u>	<u>n</u>									
40. Name: Joseph E. Tober, P.E. 41. Title: Project Engineer												
42. Telephone Number	43. Ext./Cod	de 44. F	ax Nu	umber	45. E-	Mail A	Address					
(210) 622-3112	102	()	-	josep	oh@	mrwfi	rewoi	ks.com			
SECTION V: Au	thorized	Signatur	e									
46. By my signature below signature authority to submidentified in field 39.	, I certify, to	the best of my	know									

Company:	Mr. W Fireworks	Job Title:	President				
Name (In Print):	Wayne Wildman			Phone:	(210) 622- 3112		

TCEQ-10400 (04/20) Page 2 of 3 Signature: Joseph E. The Date: 7/19/23

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