



Southwestern Blvd Expansion – Sidewalk Extension

Southwestern Blvd
Georgetown, TX, Williamson County

Edwards Aquifer Water Pollution Abatement Plan (WPAP) Exception Request

Prepared by:

GARZA EMC, LLC.
7708 Rialto Blvd., Suite 125
Austin, Texas 78735
TBPE Registration No. F-14629



Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

The Edwards Aquifer Program staff conducts an administrative and technical review of all applications. The turnaround time for administrative review can be up to 30 days as outlined in 30 TAC 213.4(e). Generally administrative completeness is determined during the intake meeting or within a few days of receipt. The turnaround time for technical review of an administratively complete Edwards Aquifer application is 90 days as outlined in 30 TAC 213.4(e). Please know that the review and approval time is directly impacted by the quality and completeness of the initial application that is received. In order to conduct a timely review, it is imperative that the information provided in an Edwards Aquifer application include final plans, be accurate, complete, and in compliance with [30 TAC 213](#).

Administrative Review

1. [Edwards Aquifer applications](#) must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.

To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: <http://www.tceq.texas.gov/field/eapp>.

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.
2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited**.
4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a “Mid-Review Modification”. Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ’s Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ’s San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

1. Regulated Entity Name: Southwestern Blvd Expansion – Sidewalk Extension					2. Regulated Entity No.: RN111871919		
3. Customer Name: Williamson County					4. Customer No.: CN600897888		
5. Project Type: (Please circle/check one)	New	Modification		Extension	<u>Exception</u>		
6. Plan Type: (Please circle/check one)	WPAP	CZP	SCS	UST	AST	<u>EXP</u>	EXT
					Technical Clarification	Optional Enhanced Measures	
7. Land Use: (Please circle/check one)	Residential	<u>Non-residential</u>			8. Site (acres):		0.82
9. Application Fee:	500	10. Permanent BMP(s):			Vegetative Filter Strip		
11. SCS (Linear Ft.):	NA	12. AST/UST (No. Tanks):			NA		
13. County:	Williamson	14. Watershed:			Smith Branch – San Gabriel River		

Application Distribution

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

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

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

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	—	—	—
Region (1 req.)	—	—	—
County(ies)	—	—	—
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Barton Springs/ Edwards Aquifer <input type="checkbox"/> Hays Trinity <input type="checkbox"/> Plum Creek	<input type="checkbox"/> Barton Springs/ Edwards Aquifer	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">NA</div>
City(ies) Jurisdiction	<input type="checkbox"/> Austin <input type="checkbox"/> Buda <input type="checkbox"/> Dripping Springs <input type="checkbox"/> Kyle <input type="checkbox"/> Mountain City <input type="checkbox"/> San Marcos <input type="checkbox"/> Wimberley <input type="checkbox"/> Woodcreek	<input type="checkbox"/> Austin <input type="checkbox"/> Bee Cave <input type="checkbox"/> Pflugerville <input type="checkbox"/> Rollingwood <input type="checkbox"/> Round Rock <input type="checkbox"/> Sunset Valley <input type="checkbox"/> West Lake Hills	<input type="checkbox"/> Austin <input type="checkbox"/> Cedar Park <input type="checkbox"/> Florence <input checked="" type="checkbox"/> Georgetown <input type="checkbox"/> Jerrell <input type="checkbox"/> Leander <input type="checkbox"/> Liberty Hill <input type="checkbox"/> Pflugerville <input type="checkbox"/> Round Rock

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

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.	
Mauricio Silveyra, P.E.	
Print Name of Customer/Authorized Agent	08/26/2025
Signature of Customer/Authorized Agent	Date

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

General Information Form

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Mauricio Silveyra, P.E

Date: 08/26/2025

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Southwestern Blvd Expansion - Sidewalk Extension

2. County: Williamson

3. Stream Basin: Smith Branch - San Gabriel River

4. Groundwater Conservation District (If applicable): N/A

5. Edwards Aquifer Zone:

☒ Recharge Zone

☒ Transition Zone

6. Plan Type:

☐ WPAP

☐ SCS

☐ Modification

☐ AST

☐ UST

☒ Exception Request

7. Customer (Applicant):

Contact Person: Dale Butler

Entity: Williamson County

Mailing Address: 3101 SE Inner Loop

City, State: Georgetown, TX

Zip: 78626

Telephone: 512-943-1599

FAX: N/A

Email Address: dbutler@wilco.org

8. Agent/Representative (If any):

Contact Person: Mauricio Silveyra, P.E

Entity: GarzaEMC

Mailing Address: 7708 Rialto Blvd Ste 125

City, State: Austin, TX

Zip: 78735

Telephone: 512-298-3284

FAX: N/A

Email Address: msilveyra@garzaemc.com

9. Project Location:

- ☒ The project site is located inside the city limits of Georgetown.
- ☐ The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
- ☐ The project site is not located within any city's limits or ETJ.

10. ☒ The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

The site is located along the West side of Southwestern Blvd near SE Inner Loop.

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

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

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

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

☐ Survey staking will be completed by this date: _____

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

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

15. Existing project site conditions are noted below:

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

Prohibited Activities

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

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

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

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

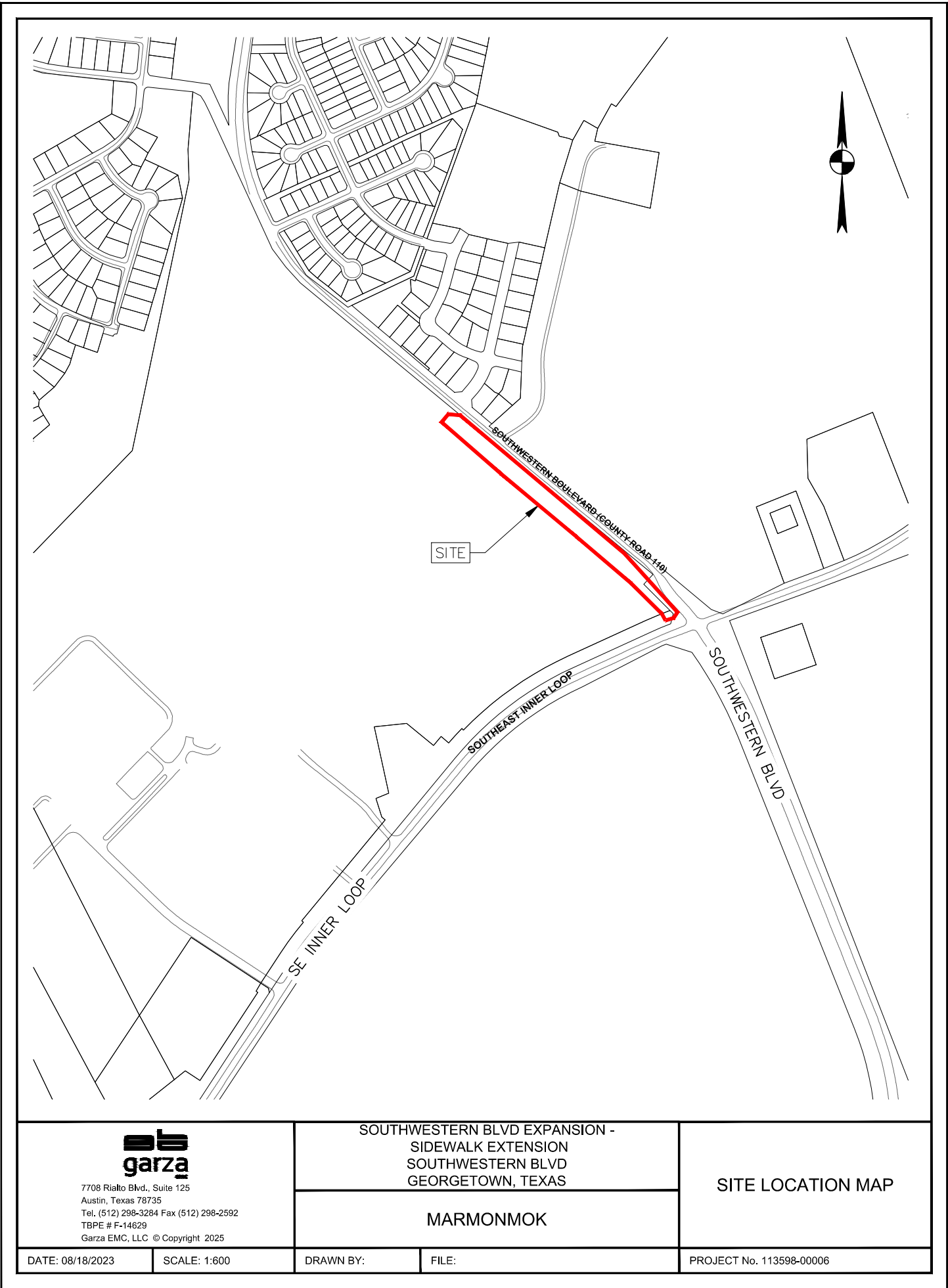
- (3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

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

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

ATTACHMENT A - ROAD & SITE LOCATION MAP





7708 Rialto Blvd., Suite 125
Austin, Texas 78735
Tel. (512) 298-3284 Fax (512) 298-2592
TBPE # F-14629
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SOUTHWESTERN BLVD EXPANSION -
SIDEWALK EXTENSION
SOUTHWESTERN BLVD
GEORGETOWN, TEXAS

MARMONMOK

SITE LOCATION MAP

PROJECT No. 113598-00006

DATE: 08/18/2023

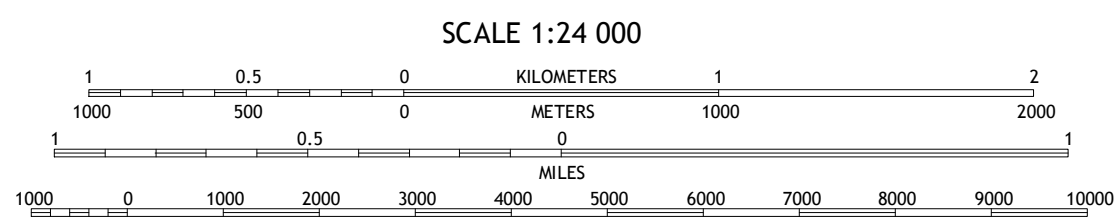
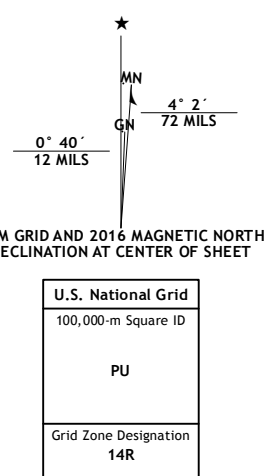
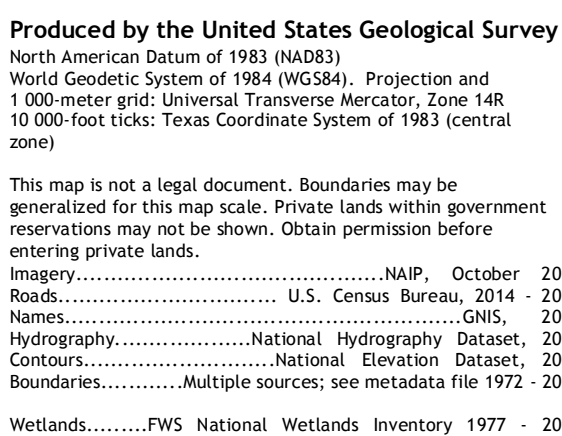
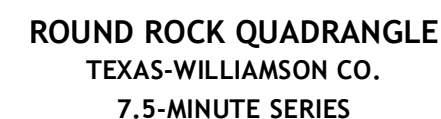
SCALE: 1:600

DRAWN BY:

FILE:

PROJECT No. 113598-00006

ATTACHMENT B: USGS QUADRANGLE MAP



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.19












1	2	3	1 Leander NE
4		5	2 Georgetown
6	7	8	3 Weir

ADJOINING QUADRANGLES

- 4 Leander
- 5 Hutto
- 6 Jollyville
- 7 Pflugerville West
- 8 Pflugerville East

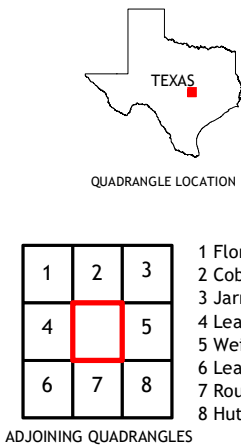
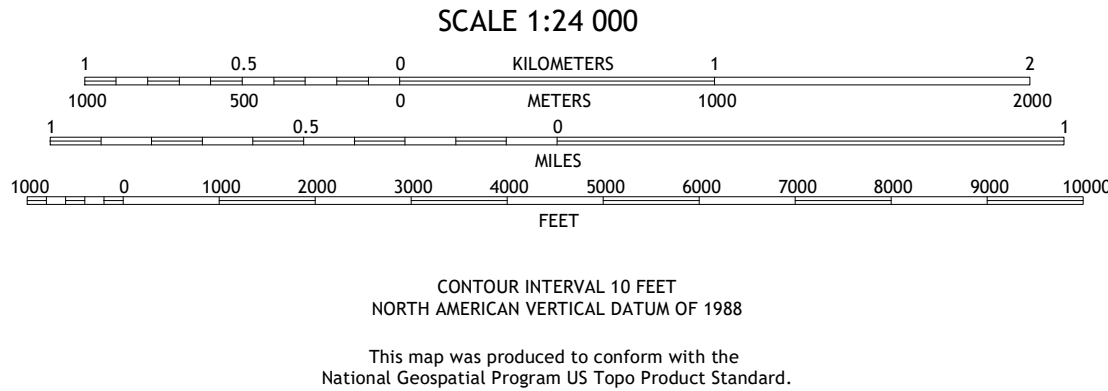
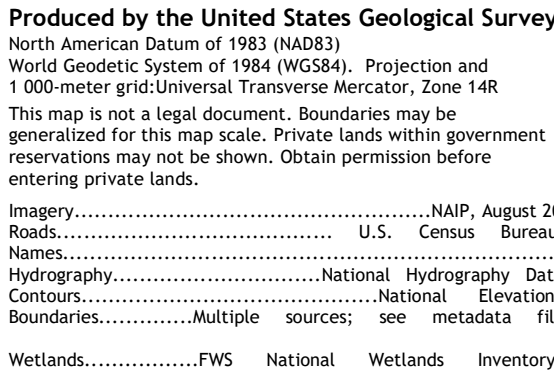
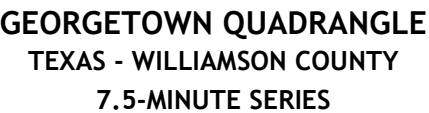
ROAD CLASSIFICATION

Expressway		Local Connector	
Secondary Hwy		Local Road	
Ramp		4WD	

 Interstate Route  US Route  State Route

ROUND ROCK, TX
2016










1	2	3
4		5
6	7	8

- 1 Florence
- 2 Cobbs Cavern
- 3 Jarrell
- 4 Leander NE
- 5 Weir
- 6 Leander
- 7 Round Rock
- 8 Hutto

ROAD CLASSIFICATION

Expressway		Local Connector	
Secondary Hwy		Local Road	
Ramp		4WD	

 Interstate Route	 US Route	 State Route
--	--	---

GEORGETOWN, TX
2022



ATTACHMENT C - PROJECT DESCRIPTION

The project area consists of 0.82 acres within the Williamson County parcel located at the northwest corner of Southwestern Boulevard and Southeast Inner Loop. The sidewalk extension will follow the alignment of the ongoing expansion of Southwestern Blvd. The overall parcel receives offsite flows from two sources. A 109- acre pasture located southeast of the project area drains under SE Inner Loop and it's fully contained through a Smith Branch tributary, and a 35-acre pasture located northeast of the project area drains under Southwestern Blvd and flow is fully contained in a drainage channel. Neither of the offsite flows drain through the Limits of Construction of the Project Area.

A Water Pollution Abatement Plan (WPAP) was approved for the construction of the County Headquarters Facility (Edwards Aquifer Protection Program ID: 11003836). Per email correspondence with James Slone, P.G. on June 9th, 2025, this project can be submitted as an exception plan.

The Edwards Aquifer Exception Request is for the addition of 1429 linear feet of sidewalk and 1421 linear feet of Vegetative Filter Strips to treat the additional impervious cover.

The site is located in the Full Purpose Jurisdiction of the City of Georgetown in Williamson County. Additionally, the site is located in the Edwards Aquifer Recharge and Transition Zone.

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: Richard V. Klar, P.G.

Telephone: 210-699-9090

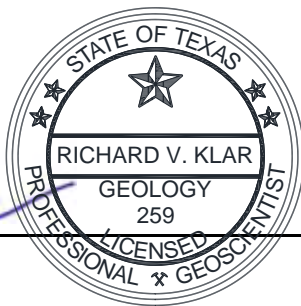
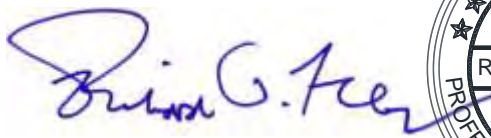
Date: November 1, 2023

Fax: 210-699-6426

Representing: Raba Kistner, Inc., TBPB Firm #50220 on behalf of MarmonMok Architecture

(Name of Company and TBPB or TBPE registration number)

Signature of Geologist:



11/1/2023

Regulated Entity Name: Williamson County Headquarters Facility – Approximately 38 Acres

Project Information

1. Dates Geologic Assessment was performed: October 17, 2023

2. Type of Project:

☒ WPAP

☐ AST

☐ SCS

☐ UST

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

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness
Heiden clay, 1 to 3 percent slopes (HeB)	D**	~5 to 6 feet
Heiden clay, 2 to 5 percent slopes, moderately eroded (HedC2)	D**	~6 to 7 feet
Heiden clay, 5 to 8 percent slopes, eroded (HeiD3)	D**	~6 to 7 feet
Heiden extremely stony clay, 3 to 12 percent slopes (HesE)	D**	~4-5 feet
Houston Black clay, 1 to 3 percent slopes (HoB)	D	~5 to 6 feet

** Soil Group Definitions (Abbreviated)*

A. Soils having a high infiltration rate when thoroughly wetted.

B. Soils having a moderate infiltration rate when thoroughly wetted.

C. Soils having a slow infiltration rate when thoroughly wetted.

D. Soils having a very slow infiltration rate when thoroughly wetted

***Soil Group not listed in SCS (1986) publication. Hydrologic Soil Group taken from USDA National Resources Conservation Service Web Soil Survey (2019).*

6. ☒ **Attachment B – Stratigraphic Column.** A stratigraphic column showing formations, members, and thickness 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" = 80'

Site Geologic Map Scale: 1" = 80'

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

9. Method of collecting positional data:

- ☒ Global Positioning System (GPS) technology.
☐ Other method(s). Please describe method of data collection: _____

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

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

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

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

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

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

- ☒ There are seven (7) test holes present on the project site and the locations are shown and labeled. (Check all of the following that apply.)

- ☒ The test holes are not in use and have been properly abandoned.
☐ The well or test hole is not in use and will be properly abandoned.
☐ The well is in use and complies with 16 TAC Chapter 76.
☐ There are no wells or test holes of any kind known to exist on the project site.

Administrative Information

- ☒ 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.

ATTACHMENTS

ATTACHMENT A

**GEOLOGIC ASSESSMENT TABLE
(TCEQ-0585-TABLE)**

**COMMENTS TO GEOLOGIC
ASSESSMENT TABLE**

SOIL PROFILE

SITE SOILS MAP

GEOLOGIC ASSESSMENT TABLE						PROJECT NAME: <div>Williamson County Headquarters Facility -- Approximately 38 Acres Georgetown, Williamson County, Texas (RKI Project No. ASF23-094-00)</div>													
LOCATION			FEATURE CHARACTERISTICS										EVALUATION		PHYSICAL SETTING				
1A	1B *	1C*	2A	2B	3	4			5	5A	6	7	8A	8B	9	10	11		12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY	CATCHMENT AREA (ACRES)		TOPOGRAPHY
						X	Y	Z									<40	>40	
S-1	30° 37' 11.36" N	97° 39' 17.31" W	MB (SS)	30	Kdr	1,018	2	12					X	8	38	✓		✓	Hilltop
S-2	30° 37' 14.74" N	97° 39' 10.08" W	MB (GEO, B-1)	30	Kdr, Kgt	0.3	0.3	65					Z	5	35	✓		✓	Hilltop
S-3	30° 37' 14.12" N	97° 39' 9.18" W	MB (GEO, B-2)	30	Kdr, Kgt	0.3	0.3	85					Z	5	35	✓		✓	Hilltop
S-4	30° 37' 13.33" N	97° 39' 10.94" W	MB (GEO, B-3)	30	Kdr, Kgt	0.3	0.3	60					Z	5	35	✓		✓	Hilltop
S-5	30° 37' 12.86" N	97° 39' 12.64" W	MB (GEO, B-4)	30	Kdr, Kgt	0.3	0.3	60					Z	5	35	✓		✓	Hilltop
S-6	30° 37' 12.04" N	97° 39' 12.06" W	MB (GEO, B-5)	30	Kdr, Kgt	0.3	0.3	85					Z	5	35	✓		✓	Hilltop
S-7	30° 37' 13.76" N	97° 39' 10.19" W	MB (GEO, B-6)	30	Kdr, Kgt	0.3	0.3	60					Z	5	35	✓		✓	Hilltop
S-8	30° 37' 12.83" N	97° 39' 11.70" W	MB (GEO, B-7)	30	Kdr, Kgt	0.3	0.3	55					Z	5	35	✓		✓	Hilltop
S-9	30° 37' 10.52" N	97° 39' 7.92" W	CD	5	Kdr	120	80	10					O	5	10	✓		✓	Hilltop

* DATUM: **NAD83**

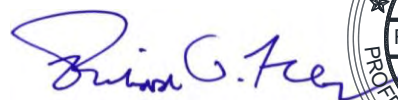
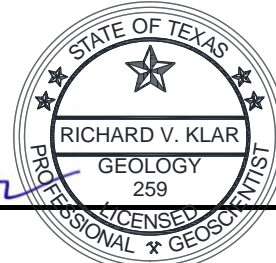
Features: SS=sanitary sewer utility; GEO = Geotechnical boring and identifier

Formation: Kdr=Del Rio Clay; Kbu=Buda Limestone; Kgt=Georgetown Formation

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

8A INFILLING	
N	None, exposed bedrock
C	Coarse - cobbles, breakdown, sand, gravel
O	Loose or soft mud or soil, organics, leaves, sticks, dark colors
F	Fines, compacted clay-rich sediment, soil profile, gray or red colors
V	Vegetation. Give details in narrative description
FS	Flowstone, cements, cave deposits
X	Granular bedding materials for residential utility improvements (Feature S-1) .
Z	Soil cuttings with granular bentonite and concrete cap for geotechnical borings (Features S-2 through S-8)
12 TOPOGRAPHY	
Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed	

I have read, I understood, and I have followed the Texas Natural Resource Conservation Commission's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field. My signature certifies that I am qualified as a geologist as defined by 30 TAC 213.

Date: **November 1, 2023**

Sheet 1 of 1

COMMENTS TO GEOLOGIC ASSESSMENT TABLE
Williamson County Headquarters Facility – Approximately 38 Acres
Northwest of SE Inner Loop and Southwestern Boulevard
Georgetown, Williamson County, Texas

The locations of the following features are indicated on the *Site Geologic Map* provided as **Attachment D** of this report.

Manmade Features in Bedrock (MB)

Feature S-1 (Sanitary Sewer utility):

Feature S-1 consists of a trench for an existing sanitary sewer utility owned by the City of Georgetown. The trench extends along the west edge of the Project Site just east of the Smith Branch Tributary. The location of this trench is based on plans provided by MarmonMok Architecture on October 9, 2023, as well as field observations of manways. Based on the provided plans and typical conditions, the sanitary sewer utility trenches are installed in surface soils to depths of approximately 12 feet terminating in bedrock. The estimated length of the trench is approximately 1,018 feet within the Project Site.



Features S-2 through S-8 (Geotechnical borings):

Features S-2 through S-8 consist of plugged geotechnical borings installed by RKI (Project No. AAA22-149-00, draft report October 5, 2023) to support proposed land development activity. A total of twelve borings were drilled within the Project Site using straight-flight auger and air rotary drilling methods. Of these, seven borings were drilled to depths of approximately 55 to 85 feet below the existing ground surface intersecting bedrock. According to boring log data, the following strata were encountered: dark brown clay at depths of 5 to 6 feet; tan gravelly clay at depths of 8 to 15 feet; tan and gray clay with gypsum deposits, calcareous deposits, and ferrous staining at depths of approximately 30 feet; dark gray clayshale of the Del Rio Clay at depths of 48 to 56 feet; and hard gray, highly weathered, highly fractured limestone with clay seams of the Georgetown Formation below depths of 56 feet to boring termination depths. Groundwater was encountered in borings B-1 and B-2 during drilling operations at depths of 18 and 42 feet, respectively. It should be noted that drilling operations were conducted before and after an intermittent rainfall event and that the occurrence of shallow groundwater



is locally transient, associated with rainfall and surface water run-off events. Based on the referenced geotechnical report and observations in conjunction with field reconnaissance activities, the borings were effectively plugged and abandoned following completion of drilling activities using soil cuttings with granular bentonite.

Non-Karst Closed Depression (NKCD)

Feature S-9 (Stock Pond):

Feature S-9 is a non-karst closed depression that consists of a stock pond on the south portion of the Project Site. The location is based on plans provided by MarmonMok Architecture on October 9, 2023, as well as desktop review (i.e., topographic maps and aerial photographs) and field observations. This feature appears to be manmade with earthen berms around its perimeter. The pond was observed to be dry, with cracked clay soil at the bottom. It is approximately oval-shaped and measures approximately 120 feet long, 80 feet wide, and 10 feet deep, with its long axis oriented approximately northwest.



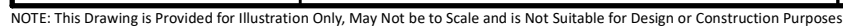
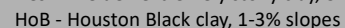
SOIL PROFILE
Williamson County Headquarters Facility – Approximately 38 Acres
Northwest of SE Inner Loop and Southwestern Boulevard
Georgetown, Williamson County, Texas

SOIL SERIES	PUBLISHED THICKNESS ON SITE	SOIL TYPE DESCRIPTION
Heiden	~5 to 6 feet	Heiden clay, 1 to 3 percent slopes (HeB): This gently sloping soil is in valleys and on ridges on uplands. Typically, the upper layer is dark grayish brown clay about 30 inches thick, with grayish brown clay streaked with dark grayish brown beneath. The underlying layer is light yellowish-brown clay that has a few soft masses of calcium carbonate. Well drained with very low permeability. When the soil is dry and cracked, water enters it rapidly, but when the soil is wet, water enters it very slowly. Erosion is a moderate hazard.
Heiden	~6 to 7 feet	Heiden clay, 2 to 5 percent slopes, moderately eroded (HedC2): This gently undulating soil is on uplands. Typically, the upper layer is dark grayish brown clay about 16 inches thick, with olive clay down to a depth of 42 inches, underlain by mottled pale olive clay. Well drained with very low permeability and rapid runoff. When the soil is dry, deep cracks form; when wet, the soil swells and the cracks close. Erosion is a severe hazard. Water erosion, mainly from rains of high intensity, has created gullies approximately 1 to 4 feet deep, thinning the surface layer of the soil near the gullies.
Heiden	~6 to 7 feet	Heiden clay, 5 to 8 percent slopes, eroded (HeiD3): This undulating soil is mainly in long and narrow areas on uplands. Typically, the upper layer is dark grayish brown layer about 22 inches thick, with grayish brown clay to about 44 inches, underlain by pale olive shaly clay. Well drained with very low permeability and rapid runoff. When the soil is dry, deep cracks form; when the soil is wet, it swells and the cracks close. Erosion is a severe hazard. Water erosion, mainly from rains of high intensity, has created gullies approximately 2 to 6 feet deep, thinning the surface layer of the soil near the gullies.
Heiden	~4-5 feet	Heiden extremely stony clay, 3 to 12 percent slopes (HesE): This is a gently sloping to strongly sloping soil on uplands. Typically, the surface layer is very dark grayish brown extremely stony clay about 18 inches thick. About 10 to 20 percent of the surface is covered with fragments of gray limestone, with most fragments on the upper slopes. Below the surface layer to a depth of 40 inches is light olive brown clay with streaks of the overlying darker material in old cracks. The underlying layer is a mixture of olive yellow and gray clay or shaly clay containing soft lumps of calcium carbonate. Well drained with very low permeability. When dry, the soil is deeply and widely cracked, and water enters it rapidly. When the soil is wet, water enters it very slowly and most of the water runs off rapidly.

SOIL SERIES	PUBLISHED THICKNESS ON SITE	SOIL TYPE DESCRIPTION
Houston Black	~5 to 6 feet	Houston Black clay, 1 to 3 percent slopes (HoB): This gently sloping soil is on smooth uplands. Typically, the upper layer is dark gray clay about 32 inches thick. The layer below that is dark grayish brown clay to about 54 inches. The underlying layer is mottled, grayish brown clay. The soils is calcareous and moderately alkaline throughout. Moderately well drained with very slow permeability and medium runoff potential. When the soil is dry and cracked, water enters it rapidly. When the soils is wet and the cracks are closed, infiltration is very slow. Erosion is a moderate hazard.

The preceding table was prepared based on information provided in the *Soils Survey of Williamson County, Texas (January 1983)* and the *NRCS Web Soil Survey (2023)* in addition to field observations and review of geotechnical boring logs (RKI, 2023). As presented on the attached **Site Soils Map**, native soils mapped at the Project Site consist of the following units: Heiden clay, 1 to 3 percent slopes (HeB); Heiden clay, 2 to 5 percent slopes, moderately eroded (HedC2); Heiden clay, 5 to 8 percent slopes, eroded (HeiD3); Heiden extremely stony clay, 3 to 12 percent slopes (HesE); and Houston Black clay, 1 to 3 percent slopes (HoB).

The Project Site is underlain primarily by HedC2 soils, with HoB soils on the northwest portion, HeB soils on the west edge, and HesE and HoB soils on the southeast corner. Soils mapped for the Project Site are collectively classified as Group D soils, which have a low capacity to transmit infiltrating precipitation. Soil types reportedly consist of clay with published permeability values ranging from 0.00 to 0.06 inch per hour. HedC2, HoB, and HeB soil types consist of predominantly clay soils overlying rock units of the Del Rio Clay. The HesE soils at the southeast corner of the Project Site consist of stony clay associated with the underlying Buda Limestone.



ATTACHMENT B

STRATIGRAPHIC COLUMN

STRATIGRAPHIC COLUMN
Williamson County Headquarters Facility – Approximately 38 Acres
Northwest of SE Inner Loop and Southwestern Boulevard
Georgetown, Williamson County, Texas

STRATIGRAPHIC FORMATION	THICKNESS	DESCRIPTION
Eagle Ford (Kef)	15-30 feet	Mostly shale to mudstone, siltstone, and flaggy limestone. The lower part is siltstone, some very fine-grained sandstone, and flaggy limestone. The upper part is dark gray shale to mudstone and flaggy limestone. Weathers easily and forms flat to gently rolling topography. Outcrops are rare. <i>Not exposed. Mapped beneath the southeast corner of the Project Site.</i>
Buda Limestone (Kbu)	40-65 feet	Marine-shelf limestones. Limestone in the upper part is generally hard and dense and may exhibit conchoidal fracturing and a porcelaneous texture when broken. The lower part is softer and chalky. Contains glauconite and fossils, and some beds contain abundant broken fossil fragments. Forms resistant caps on hills. The contact between the erosionally resistant Buda Limestone and the easily erodible Del Rio Clay is typically identified by a distinct break in slump. Blocks of Buda Limestone commonly slump downhill. <i>Small outcrops and float rock observed on the southwest portion of the Project Site.</i>
Del Rio Clay (Kdr)	15-50 feet	Calcareous, fossiliferous claystone to mudstone that commonly contains pyrite and gypsum. May contain minor, thin, lenticular beds of highly calcareous siltstone. Abundant fossils of <i>Ilymatogyra arietina</i> . Typically poorly exposed in slopes below the erosionally resistant Buda Formation. The Del Rio Clay serves as the confining layer overlying the Edwards Aquifer. <i>Not exposed. Mapped beneath the majority of the Project Site. Present below depths of 36 to 43 feet in geotechnical borings.</i>
Georgetown Formation (Kgt)	< 30 feet	Consists of open, marine-shelf limestone and some marl. Commonly argillaceous, exhibits nodular bedding. Fossils include the mollusk <i>Waconella wacoensis</i> and <i>Gryphaea washitaensis</i> . Typically covered by vegetation and soil. <i>Not exposed on the Project Site. Present below depths of 48 to 56 feet in geotechnical borings.</i>

Note: Stratigraphic Column for the Project Site was adapted from Collins (2000).

ATTACHMENT C

NARRATIVE OF SITE SPECIFIC GEOLOGY

SITE GEOLOGY NARRATIVE
Williamson County Headquarters Facility – Approximately 38 Acres
Northwest of SE Inner Loop and Southwestern Boulevard
Georgetown, Williamson County, Texas

Introduction

The following is a site-specific discussion of existing geological conditions and potential recharge features for the Edwards Aquifer identified within the proposed Williamson County Headquarters property. This assessment was performed by **Raba Kistner, Inc. (RKI)** on behalf of MarmonMok Architecture, pursuant to applicable Edwards Aquifer Protection Program (EAPP) Rules as specified in *Title 30 of the Texas Administrative Code, Section 213 (30 TAC §213, effective April 24, 2008)*. This assessment report is in the format required by the Texas Commission on Environmental Quality (TCEQ) for the Geologic Assessment and was prepared in accordance with the revised *Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones (TCEQ-0585)*, which are applicable to submittals received by the TCEQ after October 1, 2004.

This geologic assessment report documents conditions observed by **RKI** within the Project Site boundaries on October 17, 2023.

Site Description

Site Location. The subject property consists of an approximately 38-acre tract of vacant land located northwest of the intersection of Southwestern Boulevard and Southeast Inner Loop in Georgetown, Williamson County, Texas (hereinafter referred to as the Project Site). The majority of the property is undeveloped, grass-covered land with trees covering the majority of the southeast corner. An ephemeral drainage feature crosses the north portion of the Project Site oriented approximately west-east, and a tributary of Smith Branch extends along the west edge of the Project Site, oriented approximately north-south. **RKI** understands that the property will be developed into the new Williamson County Headquarters, which will include a three-story building, driveways, parking lots, and a detention pond. The Project Site is bounded to the south by Southeast Inner Loop and to the east by Southwestern Boulevard/County Road 110. Adjacent properties include residential properties to the northeast, Williamson County municipal properties to the west, and vacant land to the north, east, and south.

Based on review of official maps published by the Texas Commission on Environmental Quality (TCEQ), the majority of the Project Site is located within the Edwards Aquifer Recharge Zone (EARZ), with the southeast corner located within the Edwards Aquifer Transition Zone (EATZ). As such, the performance of a geologic assessment is required to facilitate planned WPAP construction activities in accordance with applicable provisions set forth in the EAPP rules as specified in *Title 30 of the Texas Administrative Code, Section 213 (30 TAC 213, effective April 24, 2008)*.



Left photo: General view of the Project Site taken from the southwest corner (view to the northeast). Right photo: General view of the Project Site taken from the east edge (view to the southwest).

Topography and Drainage. Topographic contours from the U.S. Geological Survey (USGS, 2022) 7.5-Minute Series Topographic maps (*Round Rock, TX and Georgetown, TX Quadrangles*) were reviewed to evaluate the general surface conditions and drainage patterns. The Project Site consists of gently sloping hilltop topography, with a maximum elevation of approximately 795 feet relative to mean sea level (MSL) at the southeast corner and a minimum elevation of approximately 730 feet at the northwest corner. As indicated by topographic contours presented on the **Site Geologic Map**, the local surface drainage patterns for the majority of the Project Site are generally from southeast to northwest toward Smith Branch Tributary. Smith Branch Tributary flows toward Smith Branch along the west portion of the Project Site, with ultimate flow to the San Gabriel River located approximately two miles to the north. An ephemeral drainage feature exists on the north portion of the Project Site, flowing west into the Smith Branch Tributary. Additionally, an oval-shaped (dry) stock pond is located on the south wooded portion of the Project Site.



Left photo: View of the stock pond in the wooded south portion of the Project Site, which was dry at the time of field reconnaissance and had large cracks in the soil (view to the southeast). Right photo: General view of the Project Site and trees along the drainage crossing the north portion (view to the west).



Left photo: Muddy creek bed of the Smith Branch Tributary on the northeast portion of the Project Site (view to the north). Right photo: Standing water in the Smith Branch Tributary on the west edge of the Project Site (view to the south).

A review of the Flood Insurance Rate Map FIRM 48491C0485F, produced by the Federal Emergency Management Agency (December 20, 2019) indicates that the majority of the Project Site is within Zone X, an area of minimal flood hazard. The flood zone associated with Smith Branch Tributary along the west edge is designated as Zone A, a Special Flood Hazard Area without Base Flood Elevation within the 100-year floodplain.

Historical Property Use. Although research pertaining to past operations and historical land use activities within the Project Site was beyond the scope of this assessment, historical aerial imagery was reviewed to evaluate historical land use and the presence of lineations that could indicate the presence of faulting. The following aerial photographs were reviewed using Google Earth™: 1995, 1997, 2002-2006, 2008-2009, 2011-2023. These photographs depict the Project Site generally as it is today. The existing Williamson County municipal buildings west of the property were constructed between 2008 and 2013. The detention pond north of Southeast Inner Loop adjacent to the southwest portion of the Project Site was built in 2019. The residential properties to the northeast along Southwestern Boulevard were constructed between 2019 and 2021.

Classification of Recharge Features. As further described herein, there were no recharge features attributed to karstification of limestone terrain and/or surface erosional processes identified within site boundaries. Features identified and discussed below also include eight manmade features (i.e., sanitary sewer and geotechnical borings) and one non-karst closed depression. The significance of these features was assessed using definitions and guidance provided in *Instructions to Geologists (TCEQ-0585-Instructions, revised October 1, 2004)*. All features within the Project Site that met the criteria presented in this reference were mapped. The characteristics of all mapped features and the assessments of these features, as defined by the TCEQ, are presented in the attached **Geologic Assessment Table (TCEQ-0585)**.

Stratigraphy

As presented in the attached ***Stratigraphic Column***, information pertaining to the lithologies and thickness of geologic units underlying the Project Site was taken from Collins (2000). As presented on the ***Site Geologic Map***, the SITE is directly underlain by the Eagle Ford Formation, Buda Limestone, Del Rio Clay, and Georgetown Formation, which is confirmed by geotechnical boring logs (RKI, 2023). Detailed descriptions of these geologic formations are provided below:

- The Eagle Ford Formation (Kef) consists of shale to mudstone, siltstone, and flaggy limestone. The lower part is siltstone, some very fine-grained sandstone, and flaggy limestone. The upper part is dark gray shale to mudstone and flaggy limestone.
- The Buda Limestone (Kbu) consists of hard dense limestone in the upper part and softer chalky limestone in the lower part. Contains glauconite and fossils, and some beds contain abundant broken fossil fragments.
- The Del Rio Clay (Kdr) consists of Calcareous, fossiliferous claystone to mudstone that commonly contains pyrite and gypsum. May contain minor, thin, lenticular beds of highly calcareous siltstone. Abundant fossils of *Ilymatogyra arietina*.
- The Georgetown Formation (Kgt) consists of open, marine-shelf limestone and some marl. Commonly argillaceous, exhibits nodular bedding. Fossils include the mollusk *Waconella wacoensis* and *Gryphaea washitaensis*.



Left photo: Flat grassy area where the Eagle Ford is mapped at the southeast corner of the Project Site (view to the southwest). Right photo: View of the approximate contact and slope change between the Del Rio Clay and the Buda Limestone on the south portion of the Project Site (view to the southwest).



Left photo: Gastropod and bivalve fossils in an outcrop of the Buda Limestone on the south portion of the Project Site just north of SE Inner Loop (view to the south). Right photo: Patchy Buda Limestone outcrops on the southeast portion of the Project Site (view to the south).

The majority of the Project Site was generally flat to very gently sloping with no outcrops observed and was covered by native soils and grasses. The southeast portion of the Project Site consists of wooded land with outcrops and large boulders of float rock of the Buda Limestone. These consisted of patchy outcrops, small outcrops consisting of beds of limestone exposed on the hillside and float rock. The Buda Limestone was generally weathered gray, and some outcrops were observed to contain fossils and widely scattered vugs.

Field observations of the Project Site conditions are generally consistent with the mapped geology by Collins (2000). However, the Eagle Ford and Del Clay formations were not directly observable as mapped owing to the presence of soil cover and alluvial deposits.



Left photo: Small weathered outcrop of the Buda Limestone on the southeast portion of the Project Site with large vugs. Right photo: One of four roughly circular depressions (animal burrows) identified on the Project Site.

Structure

This Project Site is located within the Balcones Fault Zone and, as such, is expected to exhibit a similar structural trend. The Balcones Fault Zone generally consists of a northeast-southwest trending, *en echelon* normal fault system, which juxtaposes Upper Cretaceous lithologies in the southeast with Lower Cretaceous lithologies in the northwest. As a result of this large-scale regional faulting, minor internal fault sequences and fractures exist within this zone which generally follow the same structural trend and accommodate localized displacement.

Based on review of historical aerial photographs, published maps, and in conjunction with field mapping efforts, no indications of lineations that could be associated with normal faulting were identified within the boundaries of the Project Site. Based on review of historical aerial photographs, published maps, and in conjunction with field mapping efforts, no indications of pervasive lineations that could be associated with normal faulting were identified within the boundaries of or adjacent to the Project Site. The closest mapped fault is approximately 0.95 mile to the east, juxtaposing the Eagle Ford Formation to the northwest and The Austin Chalk to the southeast. The next closest mapped fault is approximately 1.4 miles to the west, juxtaposing the Edwards Limestone to the northwest with the Georgetown Formation to the southeast.

Non-Karst Closed Depression

A non-karst closed depression consisting of a stock pond was identified on the south portion of the Project Site. This feature appears to be manmade with earthen berms around its perimeter. The pond was observed to be dry, with cracked clay soil at the bottom. It is approximately oval-shaped and measures approximately 120 feet long, 80 feet wide, and 10 feet deep, with its long axis oriented approximately northwest. This feature is classified as not sensitive due to its location in the upper part of the Del Rio Clay formation, which serves as the confining unit for the Edwards Aquifer.

Additionally, a total of four potential non-karst closed depressions were examined, which consisted of roughly circular depressions containing animal burrows in shallow soils and measuring approximately 12 to 18 inches in diameter and 8 to 10 inches deep. Most of these were located in the wooded area on the southeast portion of the Project Site, with one on the northwest corner adjacent to the Smith Branch Tributary.

Manmade Features

As presented on the ***Site Geologic Map***, nine features were identified that may potentially serve to enhance the transmission of surface runoff to the subsurface. The features consist of an existing sanitary sewer utility, plugged geotechnical borings, and non-karst closed depression. All of these features meet the criteria for assessment as manmade features in bedrock. Information regarding the locations of the existing manmade features was taken from field observations and **RKI's** Geotechnical Engineering Report (August 2023). The following features were identified:

Feature S-1 consists of a trench for a sanitary sewer utility owned by the City of Georgetown that extends along the west edge of the Project Site. Although not directly observable, it is inferred that the

trench for this subgrade installation is backfilled in accordance with standard construction practices that include the use of structural fill soils (e.g., base course materials, limestone gravel, compacted clay soils, etc.) overlain by native or fill soils, depending upon location and surface improvements. The trench was not observed in conjunction with any naturally-occurring recharge features. Although the backfilled trench may exhibit somewhat greater relative infiltration rate than the surrounding soil/rock strata underlying the project boundary, this manmade feature is classified as not sensitive, having a low potential of preferentially transmitting fluids into the Edwards Aquifer. This classification is based upon the point assignment criteria presented in the ***Geologic Assessment Table (TCEQ-0585)*** and professional judgment.

Features S-2 through S-8 consist of plugged geotechnical borings installed by RKI in August 2023. These were reportedly installed to maximum total depths of approximately 55 to 85 feet. According to boring log data, the following strata were encountered: dark brown clay stratum at depths of 5 to 6 feet; tan gravelly clay at 8 to 15 feet; tan and gray clay with gypsum deposits, calcareous deposits, and ferrous staining at approximately 30 feet; dark gray clayshale of the Del Rio Clay at 48 to 56 feet; and hard, gray, highly weathered, highly fractured limestone with clay seams of the Georgetown Formation to the bottom depth of borings. Groundwater was encountered in two borings at depths of 18 and 42 feet. These features are collectively classified as not sensitive as they have been plugged and no longer exist.

Potential for Fluid Migration to the Edwards Aquifer

Based on a review of the Project Site geology, topography and drainage conditions, and the results of our mapping efforts, the overall potential for rapid fluid movement (i.e., surface-derived flow) to the Edwards Aquifer via infiltration is considered to be low. The following assessment findings support this conclusion:

- The Project Site is primarily underlain by surface soils ranging in thickness from 4 to 7 feet. The Heiden and Houston Black clays are classified as Hydrologic Soil Group D and have very low infiltration rates with high runoff potential when thoroughly wet, and a slow rate of water transmission.
- No features were identified that can be attributed to karstification of limestone terrain. There were no natural karst features observed in the vicinity of any the observed manmade features, which would increase the potential for rapid infiltration. Manmade features present within the Project Site (***Features S-1 through S-8***) are collectively classified as not sensitive based on consideration of construction details and application of point assignment criteria and professional judgment.
- The Project Site is mapped within the Del Rio Clay and Buda Limestone formations, which comprise the upper confining unit of the Edwards Aquifer. A dry stock pond (***Feature S-9***) was observed in the area underlain by the Del Rio Clay. According to geotechnical boring logs, bedrock associated with the Del Rio Clay was encountered approximately 30 feet below ground surface, with the Georgetown Formation at depths below 45 to 48 feet.

The Georgetown Formation (the uppermost part of the Edwards Aquifer) was found to be more than 45 feet below ground surface based on drilling data. As such, it is unlikely that future phases of land development (i.e., earthwork, excavation) apart from pier drilling below proposed structures will reach depths associated with formations comprising the Edwards Aquifer (i.e., the Georgetown Formation and underlying Edwards Limestones). If karst features are discovered in conjunction with future phases of land development, it is recommended that a qualified geoscientist be consulted to assess, determine the level of sensitivity, and provide recommendations for protective measures, if warranted.

References

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Federal Emergency Management Agency (FEMA), 2019, National Flood Insurance Program, Flood Insurance Rate Map, Williamson County Unincorporated Areas, Texas, Map 48491C0485F.

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United States Department of Agriculture (USDA), 1983, Soil Survey of Williamson County, Texas; USDA / Soil Conservation Service / Texas Agricultural Experiment Station.

United States Department of Agriculture (USDA), 1986, Urban Hydrology for Small Watersheds; USDA / Natural Resource Conservation Service, Technical Release (TR-) 55, June 1986.

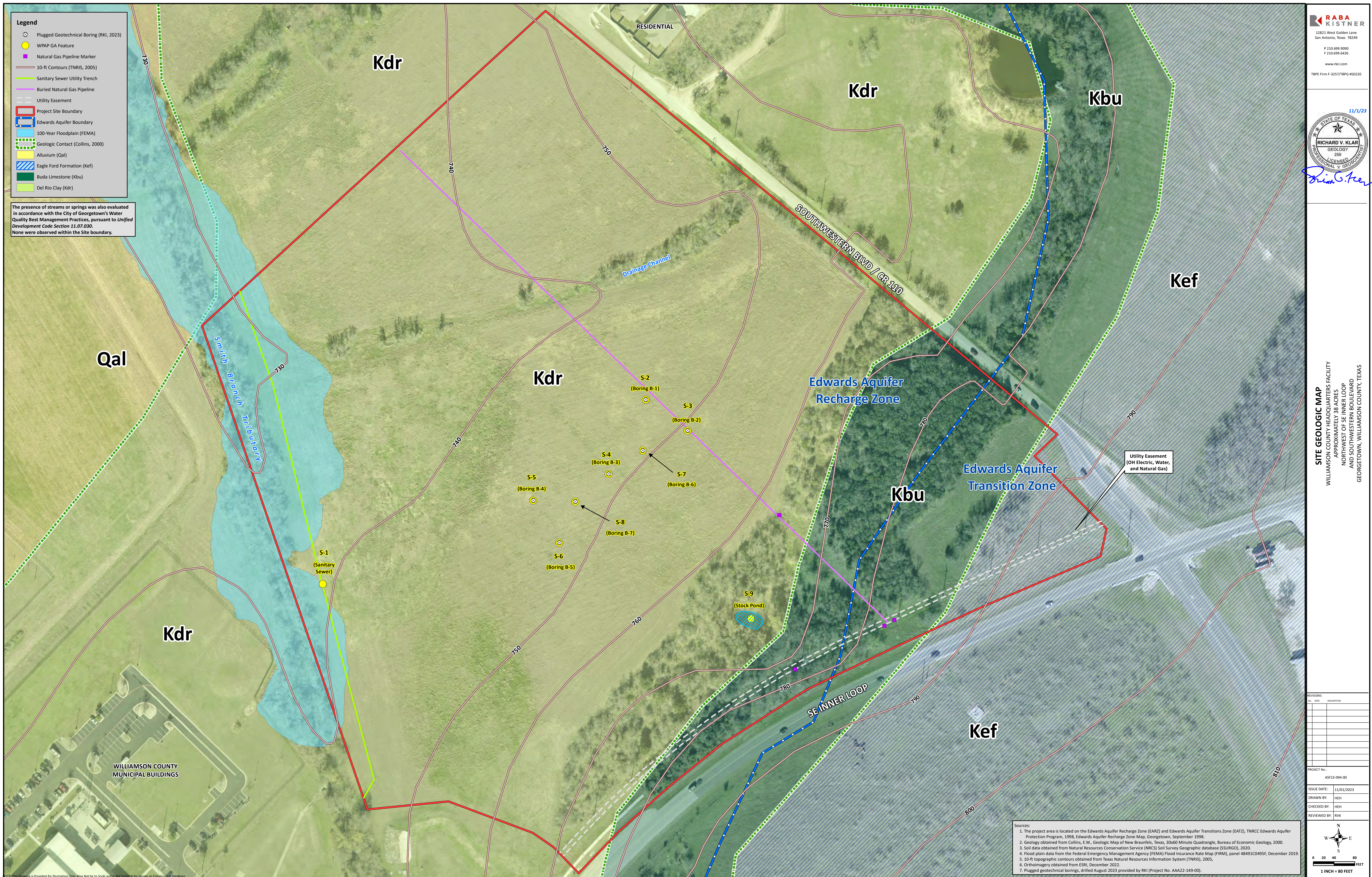
ATTACHMENT D

**FEATURE POSITION TABLE
(GPS COORDINATES)**

SITE GEOLOGIC MAP

FEATURE POSITION TABLE
Williamson County Headquarters Facility -- Approximately 38 Acres
Northwest of SE Inner Loop and Southwestern Boulevard
Georgetown, Williamson County, Texas
RKI Project No. ASF23-094-00

Feature Designation	Feature Type	Date Collected	North Latitude	West Longitude	UTM Northing (meters)	UTM Easting (meters)
S-1	Sanitary Sewer utility	10/17/2023	30° 37' 11.36"	97° 39' 17.31"	3388242	628934
S-2	Geotechnical Boring B-1	8/18/2023	30° 37' 14.74"	97° 39' 10.08"	3388347	629124
S-3	Geotechnical Boring B-2	8/21/2023	30° 37' 14.12"	97° 39' 9.18"	3388329	629148
S-4	Geotechnical Boring B-3	8/23/2023	30° 37' 13.33"	97° 39' 10.94"	3388304	629101
S-5	Geotechnical Boring B-4	8/25/2023	30° 37' 12.86"	97° 39' 12.64"	3388289	629056
S-6	Geotechnical Boring B-5	8/24/2023	30° 37' 12.04"	97° 39' 12.06"	3388263	629072
S-7	Geotechnical Boring B-6	8/22/2023	30° 37' 13.76"	97° 39' 10.19"	3388317	629121
S-8	Geotechnical Boring B-7	8/23/2023	30° 37' 12.83"	97° 39' 11.70"	3388288	629081
S-9	Non-karst closed depression (stock pond)	10/17/2023	30° 37' 10.52"	97° 39' 7.92"	3388218	629183



Recharge and Transition Zone Exception Request Form

Texas Commission on Environmental Quality

30 TAC §213.9 Effective June 1, 1999

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

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

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Recharge and Transition Zone Exception Request Form** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Mauricio Silveyra, P.E

Date: 08/26/2025

Signature of Customer/Agent:



Regulated Entity Name: Southwestern Blvd Expansion - Sidewalk Extension

Exception Request

1. ☒ **Attachment A - Nature of Exception.** A narrative description of the nature of each exception requested is attached. All provisions of 30 TAC §213 Subchapter A for which an exception is being requested have been identified in the description.
2. ☐ **Attachment B - Documentation of Equivalent Water Quality Protection.** Documentation demonstrating equivalent water quality protection for the Edwards Aquifer is attached.

Administrative Information

3. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
4. ☒ The applicant understands that no exception will be granted for a prohibited activity in Chapter 213.
5. ☒ The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.

ATTACHMENT A – NATURE OF EXCEPTION

An Edwards Aquifer Exception is being requested for this project as the site has been developed during the Williamson County Headquarters Facility Project and its approved WPAP. The addition of 1429 linear feet of sidewalk increases the impervious cover of the site from 27% to 28%.

The project area consists of 0.82 acres within the Williamson County parcel located at the northwest corner of Southwestern Boulevard and Southeast Inner Loop.

Per email correspondence with James Slone, P.G. on June 9th 2025, this project is eligible for submission as an exception plan.

From: James Slone <james.slone@tceq.texas.gov>

Sent: Monday, June 9, 2025 3:19 PM

To: Justin Rusthoven <jrusthoven@garzaemc.com>; Colin Gearing <Colin.Gearing@tceq.texas.gov>

Cc: Mauricio Silveyra <msilveyra@garzaemc.com>

Subject: RE: New Williamson County Headquarters Facility/TCEQ

Justin,

The plan can be submitted as an Exception Plan. Please retain this email for your records and provide it with your application submittal.
Bo

James "Bo" Slone, P.G.

Team Leader

Edwards Aquifer Protection Program

Texas Commission on Environmental Quality

(512) 239-6994

ATTACHMENT B – TCEQ EXCEPTION REQUEST EMAIL ACCEPTANCE

From: Justin Rusthoven
Sent: Monday, August 25, 2025 2:14 PM
To: Austin Sanchez
Subject: FW: New Williamson County Headquarters Facility/TCEQ

Justin Rusthoven | Engineer Associate | GarzaEMC | 512.298.3284

From: James Slone <james.slone@tceq.texas.gov>
Sent: Monday, June 9, 2025 3:19 PM
To: Justin Rusthoven <[jruthoven@garzaemc.com](mailto:jrusthoven@garzaemc.com)>; Colin Gearing <Colin.Gearing@tceq.texas.gov>
Cc: Mauricio Silveyra <msilveyra@garzaemc.com>
Subject: RE: New Williamson County Headquarters Facility/TCEQ

Justin,
The plan can be submitted as an Exception Plan. Please retain this email for your records and provide it with your application submittal.
Bo

James "Bo" Slone, P.G.
Team Leader
Edwards Aquifer Protection Program
Texas Commission on Environmental Quality
(512) 239-6994

From: Justin Rusthoven <[jruthoven@garzaemc.com](mailto:jrusthoven@garzaemc.com)>
Sent: Monday, June 9, 2025 3:14 PM
To: James Slone <james.slone@tceq.texas.gov>; Colin Gearing <Colin.Gearing@tceq.texas.gov>
Cc: Mauricio Silveyra <msilveyra@garzaemc.com>
Subject: New Williamson County Headquarters Facility/TCEQ

Bo/Colin,

Thank you for the meeting today. Williamson County is planning to add a 10' sidewalk along Southwestern Blvd. The added impervious cover will be treated by vegetative filter strips. I wanted to confirm as discussed in the meeting that this addition can be handled in an exception.

Justin Rusthoven
Engineer Associate



7708 Rialto Blvd, Suite 125
Austin, TX 78735
512.361.5999 Direct
512.298.3284 Office
jrusthoven@garzaemc.com

Please visit us at www.garzaemc.com
TBPE #F-14629

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: Mauricio Silveyra, P.E

Date: 08/26/2025

Signature of Customer/Agent:



Regulated Entity Name: Southwestern Blvd Expansion - Sidewalk Extension

Project Information

Potential Sources of Contamination

Examples: Fuel storage and use, chemical storage and use, use of asphaltic products, construction vehicles tracking onto public roads, and existing solid waste.

1. Fuels for construction equipment and hazardous substances which will be used during construction:

☐ The following fuels and/or hazardous substances will be stored on the site: _____

These fuels and/or hazardous substances will be stored in:

- ☐ Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year.

- ☐ Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.
- ☐ Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.
- ☒ Fuels and hazardous substances will not be stored on the site.
- 2. ☒ **Attachment A - Spill Response Actions.** A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.
- 3. ☒ Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.
- 4. ☒ **Attachment B - Potential Sources of Contamination.** A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

- 5. ☒ **Attachment C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.
 - ☒ For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.
 - ☐ For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. ☒ Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: Smith Branch - San Gabriel

Temporary Best Management Practices (TBMPs)

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

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

- ☒ A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.
 - ☒ A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
 - ☒ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
 - ☒ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.
8. ☒ The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.
- ☐ **Attachment E - Request to Temporarily Seal a Feature.** A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
- ☒ There will be no temporary sealing of naturally-occurring sensitive features on the site.
9. ☒ **Attachment F - Structural Practices.** A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.
10. ☒ **Attachment G - Drainage Area Map.** A drainage area map supporting the following requirements is attached:
- ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
 - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
 - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
 - ☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

- ☒ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.
11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations.** Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.
- ☒ N/A
12. ☒ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
13. ☒ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
14. ☒ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).
15. ☒ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.
16. ☒ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

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

- 18. ☒ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 19. ☒ Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

- 20. ☒ All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.
- 21. ☒ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.
- 22. ☒ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

ATTACHMENT A – SPILL RESPONSE ACTIONS

The owner shall be responsible for the adequate cleanup of any chemical spills during construction. The cleanup will be performed to TCEQ standards, RG-348, July 2005.

The contractor will notify TCEQ of any chemical spills as required and outlined in these standards at the phone numbers listed below.

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 shall also be aware of when a spill must be reported to the TCEQ. Information is 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 shall be contained and cleaned up immediately.
- 2) Store hazardous materials and waste 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 shall be covered and protected from stormwater runoff during rainfall to the extent that it doesn't compromise cleanup activities.
- 7) Do not bury or wash spills with water. 1-118
- 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 shall 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.
- 4) If a spill does occur in the basin, all components of the controller must be inspected and checked for proper operation within 7 days.

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 shall 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 shall 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 the 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 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 shall notify the National Response Center at (800) 424-8802.
- 3) Notification shall first be made by telephone and followed up with a written report.
- 4) The services of a spills contractor or a Haz-Mat team shall be obtained immediately. Construction personnel shall not attempt to clean up

- until the appropriate and qualified staff 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.tceq.texas.gov/response/spills>

ATTACHMENT B – POTENTIAL SOURCES OF CONTAMINATION

Concrete products will be used on this project. After placement of concrete the applicant will be responsible for immediate cleanup should an unexpected rain occur. For the duration of the concrete product curing time, the contractor should maintain standby personnel and equipment to contain any concrete wash-off should an unexpected rain occur.

Sediment and soil from disturbed areas are another potential source of contamination. During activities causing soil disturbance, temporary best management practices outlined in Attachment D.

Other potential sources of contamination include hydraulic fluid and diesel fuel from mechanical equipment. Any spills shall be handled according to the Spill Response Actions in **ATTACHMENT A**.

ATTACHMENT C – SEQUENCE OF MAJOR ACTIVITIES

Install erosion controls and tree protection per approved plans (0.49 acres).

Hold pre-construction meeting (N/A).

Begin grading and rough excavation for Sidewalk (0.33 acres).

Begin construction of hardscape and landscape areas (0.82 acres).

The contractor shall obtain Engineer's concurrence letter prior to steps below (N/A).

Restore disturbed areas (0.33 acres).

Remove temporary erosion/sedimentation controls only after the Engineer has accepted the permanent erosion/sedimentation controls (\pm 1428.6 LF).

ATTACHMENT D - TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES

Before construction begins, mulch socks and silt fences will be installed around the perimeter of the limits of construction, including "J Hooks" as needed, and on the downgradient side of the contractor staging and materials storage area. The silt fencing area will be inspected weekly during construction, and after any rainfall.

Proposed BMPs and measures will prevent pollution of surface water or groundwater that originates on-site, by directing and filtering the runoff through the silt fence/mulch sock, and maintaining natural drainage patterns on the site, which direct runoff towards the onsite detention pond and the San Gabriel River.

Proposed BMPs and measures will prevent pollutants from entering surface streams (San Gabriel River), sensitive features, or the aquifer, by filtering the runoff through the silt fence/mulch sock and diverting it to the detention pond prior to leaving the site and entering the adjacent creek.

There are two identified critical environmental features within the property boundary, and the proposed improvements do not encroach these areas or the associated buffers. The limits of construction will not encroach these areas; therefore, the perimeter silt fence/mulch sock will allow the natural drainage patterns to remain within the buffer areas that are outside the limits of construction.

ATTACHMENT F – STRUCTURAL PRACTICES

Silt fences and mulch socks will be used to limit the runoff discharge of pollutants from exposed areas of the site.

ATTACHMENT G – DRAINAGE AREA MAP

Existing and Proposed Drainage Area Maps are included in the Construction Documents. The project area is within the overall drainage area maps but is much smaller.

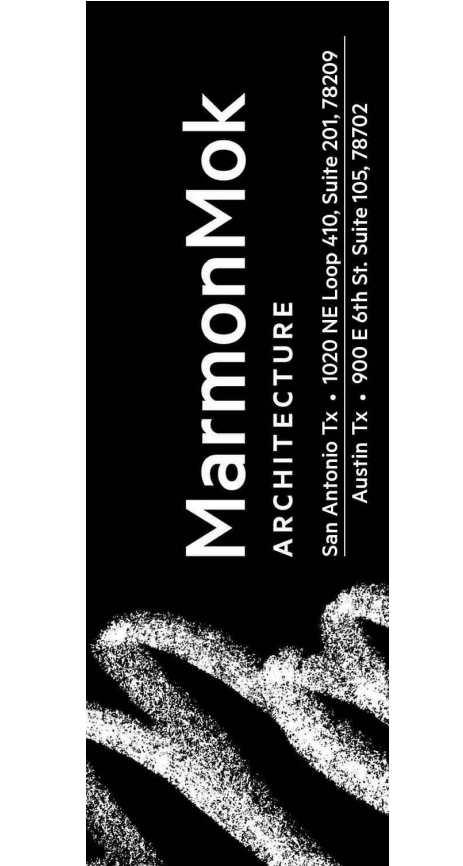


Area: E1							
Event	2-yr	10-yr	25-yr	100-yr	500-yr	Cover Description & Type	
Acres	49.01	49.01	49.01	49.01	49.01	Agricultural lands - [GOOD] Grassland, or range-continuous forage for grazing	48.34
CN	80.00	80.00	80.00	80.00	80.00	Impervious Areas - Paved; open ditches (including right of way)	0.67
Tc	12.68	12.68	12.68	12.68	12.68		0.00
Q	126.0	241.3	319.5	446.1	N/A	Total	49.01

E1					
Select Cover Description	Select Cover Type	Hydrologic Soil Group	CN	Input Area (ac)	
1. Agricultural lands	[GOOD] Grassland, or range-continuous forage for grazing	D	80.00	48.34	
2. Impervious Areas	Paved; open ditches (including right of way)	D	89.00	0.67	
3.			80.00	49.01	

	Sheet Flows		Shallow Concentrated Flow		Channel Flow		Sum
			Unpaved	Paved	Pipe Flow	Open Channel	
Length (L)	100		1927.52	46			
Select Surface Type:	Asphalt		N/A	N/A			
Manning's (n)	0.016	0.000			0.000	0.000	
Change in Elevation (ΔE)	2.60		62.18	2.04			
Slope=ΔE/L	0.0260	0.0000	0.0323	0.0443	0.0000	0.0000	
Tc	1.42	0.00	11.09	0.18	0.00	0.00	12.68

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



garza
7708 Rialto Blvd., Suite 125
Austin, Texas 78735
Tel. (512) 298-3284 Fax (512) 298-2592
TBPE # F-14629
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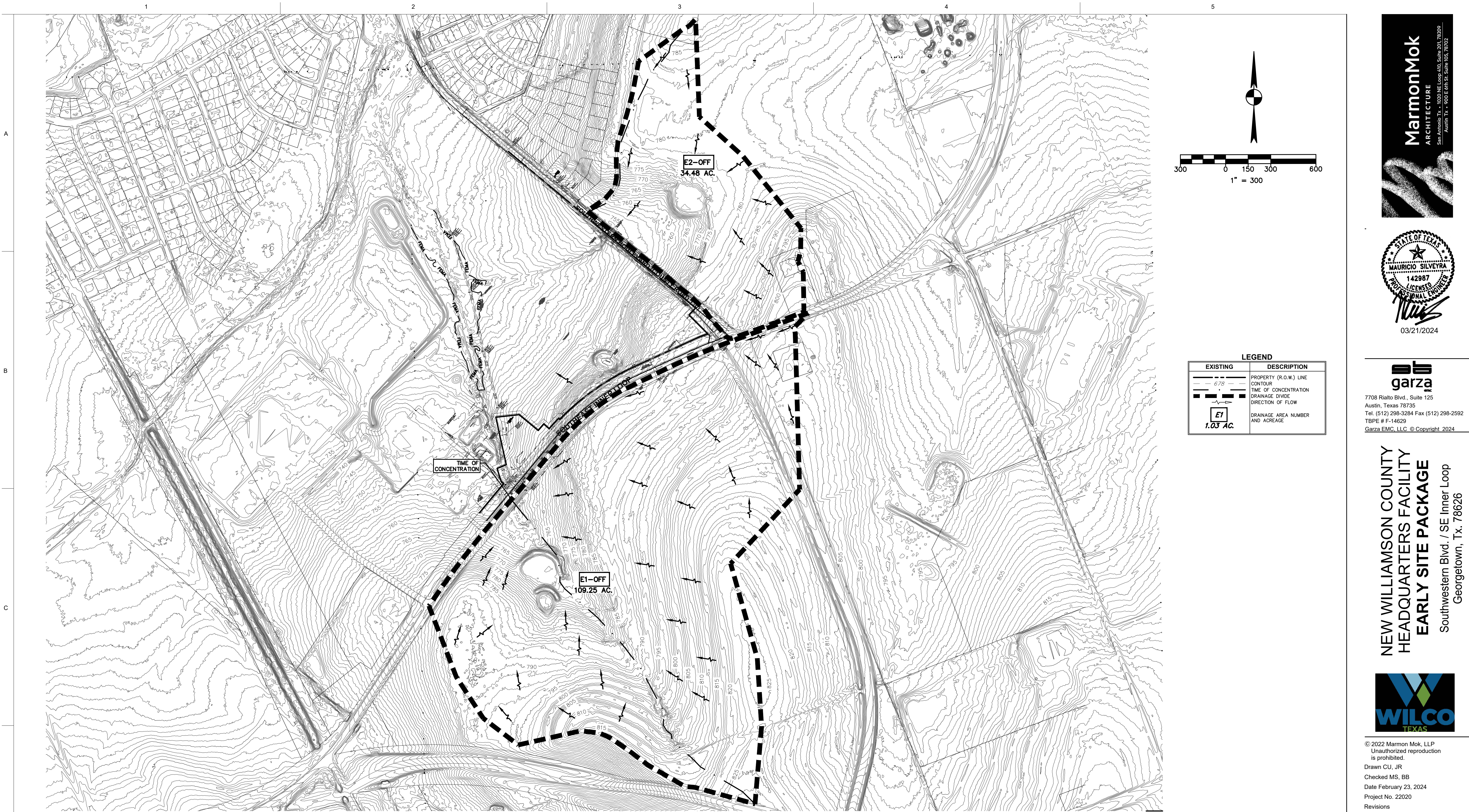
**NEW WILLIAMSON COUNTY
HEADQUARTERS FACILITY
EARLY SITE PACKAGE**
Southwestern Blvd. / SE Inner Loop
Georgetown, Tx. 78626



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Unauthorized reproduction is prohibited.
Drawn CU, JR
Checked MS, BB
Date February 23, 2024
Project No. 22020
Revisions
1 03/06/24 ADD No.1

SHEET TITLE
EXISTING DRAINAGE AREA
MAP

SHEET NO.
12



E2-OFF						
Area:	Event	2-yr	10-yr	25-yr	100-yr	500-yr
Ares	34.48	34.48	34.48	34.48	34.48	34.48
CN	84.00	84.00	84.00	84.00	84.00	84.00
Tc	18.17	18.17	18.17	18.17	18.17	18.17
Q	88.6	159.1	265.8	280.8	N/A	N/A
Total						
	34.48	1,501,949	100.00			

Select Cover Description	Select Cover Type	Hydrologic Soil Group	CN	Input Area (ac)
1. Agricultural lands	(FAIR) Grassland, or range-continuous forage for	D	84.00	34.48
2.			0.00	
3.			0.00	
				84.00

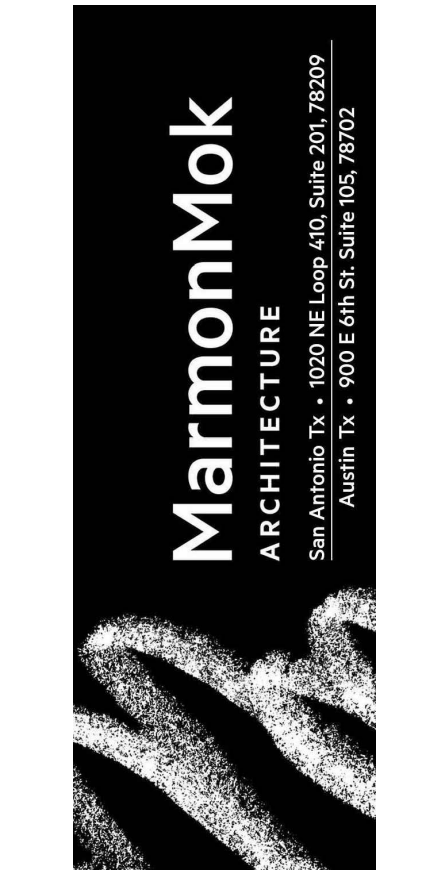
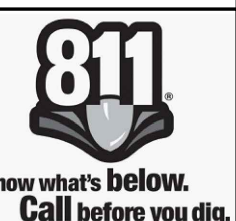
Sheet Flows	Shallow Concentrated Flow		Channel Flow		Sum
	Unpaved	Paved	Pipe Flow	Open Channel	
Length (L)	100	1302.35			
Select Surface Type:	Short-grass prairie	N/A	N/A		
Manning's (n)	0.150	0.000	0.000	0.000	0.000
Change in Elevation (dE)	2.00	31.00			
Slope=dE/L	0.0200	0.0238	0.0000	0.0000	0.0000
Tc	9.45	0.00	8.72	0.00	0.00

E1-OFF						
Area:	Event	2-yr	10-yr	25-yr	100-yr	500-yr
Ares	109.25	109.25	109.25	109.25	109.25	109.25
CN	84.00	84.00	84.00	84.00	84.00	84.00
Tc	28.39	28.39	28.39	28.39	28.39	28.39
Q	232.2	420.0	544.6	746.0	N/A	N/A
Total						
	109.25	4,758,930	100			

Select Cover Description	Select Cover Type	Hydrologic Soil Group	CN	Input Area (ac)
1. Agricultural lands	(FAIR) Grassland, or range-continuous forage for	D	84.00	107.51
2. Impervious Areas	Paved, open ditches (including right of way)	D	88.00	1.74
3.			0.00	
				84.00

Sheet Flows	Shallow Concentrated Flow		Channel Flow		Sum
	Unpaved	Paved	Pipe Flow	Open Channel	
Length (L)	100	2584.9			
Select Surface Type:	Short-grass prairie	N/A	N/A		
Manning's (n)	0.150	0.000	0.000	0.000	0.000
Change in Elevation (dE)	1.00	71.00			
Slope=dE/L	0.0100	0.0277	0.0000	0.0000	0.0000
Tc	12.47	0.00	15.92	0.00	0.00

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



NEW WILLIAMSON COUNTY
HEADQUARTERS FACILITY
EARLY SITE PACKAGE
Southwestern Blvd. / SE Inner Loop
Georgetown, Tx. 78626



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Drawn CU, JR
Checked MS, BB
Date February 23, 2024
Project No. 22020
Revisions
1 03/06/24 ADD No.1

SHEET TITLE
EXISTING OFFSITE
DRAINAGE AREA MAP

SHEET NO.
13

A

B

C

D

P1									
Area:	Event	2-yr	10-yr	25-yr	100-yr	500-yr	Cover Description & Type	Acres	SF
Acres	15.07	15.07	15.07	15.07	15.07		Developing Urban Areas - Newly graded areas (serious areas only, no vegetation)	6.33	275,735
CN	96.00	96.00	96.00	96.00	96.00		Impervious Areas - Paved; curbs and storm drains (excluding right of way)	8.74	380,124
Tc	12.65	12.65	12.65	12.65	12.65			0.00	0
Q	58.3	91.0	111.9	145.8	N/A		Total	15.07	656,449

P2									
Area:	Event	2-yr	10-yr	25-yr	100-yr	500-yr	Cover Description & Type	Acres	SF
Acres	34.22	34.22	34.22	34.22	34.22		Impervious Areas - Paved parking lots, roofs, driveways, etc. (excluding right of way)	0.88	38,333
CN	0.00	0.00	0.00	0.00	0.00		Impervious Areas - Gravel (including right of way)	0.06	2,418
Tc	33.29	33.29	33.29	33.29	33.29			33.29	1,448,915
Q	55.4	106.6	141.4	198.3	N/A		Total	34.22	1,486,667

P1				
Select Cover Description	Select Cover Type	Hydrologic Soil Group	CN	Input Area (ac)
1. Developing Urban Areas	Newly graded areas (serious areas only, no vegetation)	D	94.00	6.33
2. Impervious Areas	Paved; curbs and storm drains (excluding right of way)	D	98.00	8.74
3.			0.00	0.00
			96.00	15.07

P2				
Select Cover Description	Select Cover Type	Hydrologic Soil Group	CN	Input Area (ac)
1. Impervious Areas	Paved parking lots, roofs, driveways, etc. (excluding right of way)	D	98.00	0.88
2. Impervious Areas	Gravel (including right of way)	D	89.00	0.06
3. Open space (lawns, parks, golf courses, cemeteries)	Good condition grass cover (75%)	D	80.00	33.29

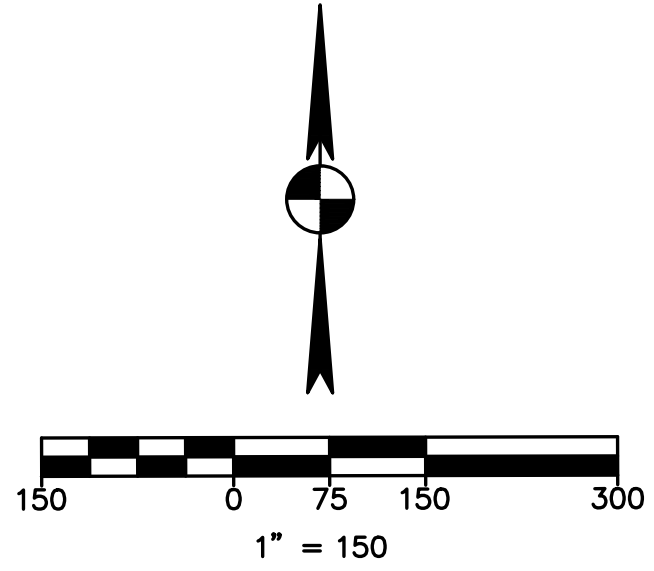
	Sheet Flows		Shallow Concentrated Flow		Channel Flow		Sum
	Unpaved	Paved	Pipe Flow	Open Channel			
Length (L)	100	233	760				
Select Surface Type:	Woods, Light	Concrete	Concrete				
Manning's (n)	0.400	N/A	0.012				
Change in Elevation (dL)	13.00	12.00	5.80				
Slope=dL/L	0.1300	0.0000	0.0511	0.0066	0.0000		
Tc	9.80	0.00	0.85	2.00	0.00	12.65	

	Sheet Flows		Shallow Concentrated Flow		Channel Flow		Sum
	Unpaved	Paved	Pipe Flow	Open Channel			
Length (L)	100	2845					
Select Surface Type:	Woods, Light	N/A					
Manning's (n)	0.400	N/A	0.000	0.000	0.000		
Change in Elevation (dL)	3.50	70.00	0.0000	0.0000	0.0000		
Slope=dL/L	0.0350	0.0246	0.0000	0.0000	0.0000		
Tc	16.25	36.74	0.00	0.00	0.00	35.29	

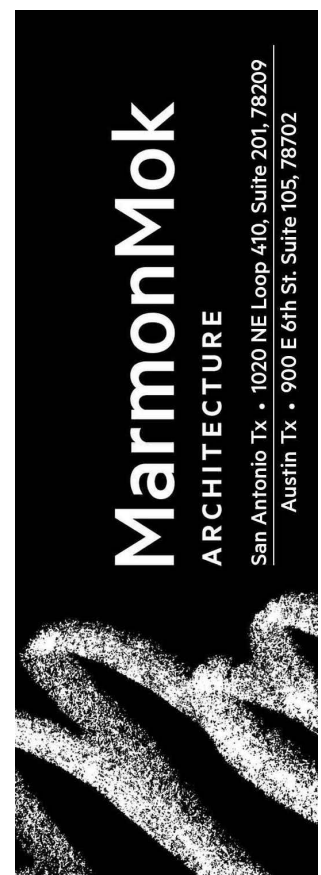
Channel Flow Parameters		
Pipe Diameter (ft)	6.330	R/s
Velocity	0.000	R/s
Channel Area (sf)	0.000	R/s
Channel Perimeter (ft)	0.000	R/s

Channel Flow Parameters		
Pipe Diameter (ft)	0.000	R/s
Velocity	0.000	R/s
Channel Area (sf)	0.000	R/s
Channel Perimeter (ft)	0.000	R/s

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



LEGEND	
EXISTING	DESCRIPTION
---	PROPERTY (R.O.W.) LINE
---	CONTOUR
---	TIME OF CONCENTRATION
---	DRAINAGE DIVIDE
---	DIRECTION OF FLOW
E1	DRAINAGE AREA NUMBER AND ACREAGE
1.03 AC.	



garza
7708 Rialto Blvd., Suite 125
Austin, Texas 78735
Tel. (512) 298-3284 Fax (512) 298-2592
TBPE # F-14629
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NEW WILLIAMSON COUNTY
HEADQUARTERS FACILITY
EARLY SITE PACKAGE
Southwestern Blvd. / SE Inner Loop
Georgetown, Tx. 78626



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1 03/06/24 ADD No.1

SHEET TITLE
**PROPOSED DRAINAGE
AREA MAP**

SHEET NO.

ATTACHMENT I – INSPECTION AND MAINTENANCE FOR BMPs

Implementation of site controls shall be performed by a qualified contractor experienced in the proper installation of such devices in accordance with manufacturers' specifications, and in keeping with recognized Best Management Practices (BMP's), and in keeping with TPDES regulations. Qualification of installing Contractor shall be reviewed with the Owner prior to entering a contract with them for services.

The Contractor shall inspect all BMP's at regular intervals as specified in the Storm Water Pollution Prevention Plan for this project.

Use standard Owner Inspection forms for each inspection.

Record all deficiencies of site controls and take immediate action to correct any deficiencies recorded.

Keep records of inspections current and on file, available for review by EPA, TCEQ, MS4 operator and Owner.

The silt fences and temporary controls must be inspected at weekly intervals and after significant rainfall events to ensure that they are functioning properly. The following BMP's must be maintained after a rainstorm:

The construction entrance shall be inspected after a rainstorm to make sure it is still in adequate condition and intact to support and function as designed.

The washout pits shall be monitored and cleaned after a storm to limit the pollution and run-off.

Repairs must be made immediately to the damaged areas and when the silt accumulates in the controls to 6 inches it must be removed.

Inspection & Maintenance Checklist

ITEM	FREQUENCY	LOOK FOR	PERFORM ACTION
Inspection	Twice per year; after 2" of rainfall	General condition, trash, sediment, vegetation, drainage	Correct deficiencies per the following line items
Trash	With inspection or other maintenance	Trash, debris, floatables	Remove and properly dispose
Sediment	Once per year; when 6" has accumulated	Accumulated sediment at inlet and outlet of the pond and splitter box	Remove accumulated sediment and restore to initial condition
Erosion	As needed	Gullies, washouts, grade to drain, ponding	Restore to initial grade
Drawdown inlet, System piping, and outfalls	Once per year; as needed	Damage, clogging, lengthy drawdown	Repair any damage. Ensure the drawdown inlet and piping is free of debris. Clean out pipes as necessary.
Irrigation system and Pumps	3 times per year; 2 times during or following a rain event	Damage, clogging, poor condition, sediment buildup	Remove sediment build up in wet well. Replace pumps if not functioning.
General Condition	As needed	Damage, poor condition, function	Repair any damage and replace any non-functioning items. Check infrastructure and correct or monitor items in poor condition. Add maintenance and inspection as necessary for recurring deficiencies.

ATTACHMENT J – SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES

Construction will commence with the installation of the required erosion and sedimentation control.

Silt fences and mulch socks will be installed on site.

Vegetative filter strip will be installed.

Sidewalk will be graded and built as proposed.

Once vegetation is established on the site, temporary erosion and sedimentation controls will be removed as allowed by the engineer.

Permanent Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(C), (D)(li), (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: Mauricio Silveyra, P.E.

Date: 08/26/2025

Signature of Customer/Agent



Regulated Entity Name: Southwestern Blvd Expansion - Sidewalk Extension

Permanent Best Management Practices (BMPs)

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

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

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

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

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

Responsibility for Maintenance of Permanent BMP(s)

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

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

ATTACHMENT B – BEST MANAGEMENT PRACTICES FOR UPGRAIDENT STORMWATER

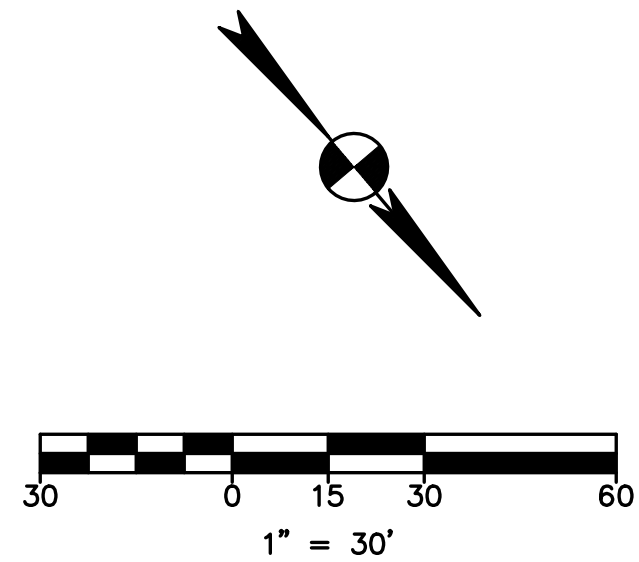
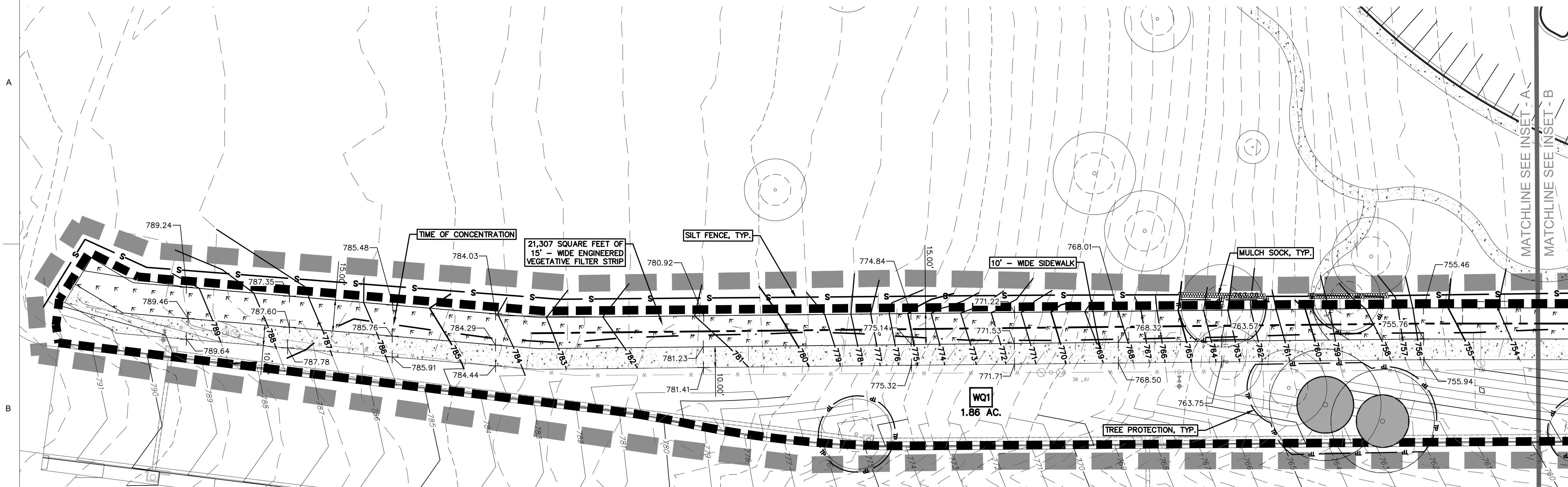
Surface water, groundwater, or stormwater originates upgradient from the site and does not flow across the project area. Upgradient stormwater flows through existing drainage channels. The site generally flows from southeast to northwest towards San Gabriel River.

ATTACHMENT C – BMPs FOR ON-SITE STORMWATER

A Vegetative Filter Strip is proposed to treat the on-site stormwater runoff and to prevent pollution of surface water or groundwater that originates on-site or flows off the site. The Vegetative Filter Strip meets TCEQ's current design requirements and TSS removal standards for BMPs over the Edwards Aquifer Recharge Zone.

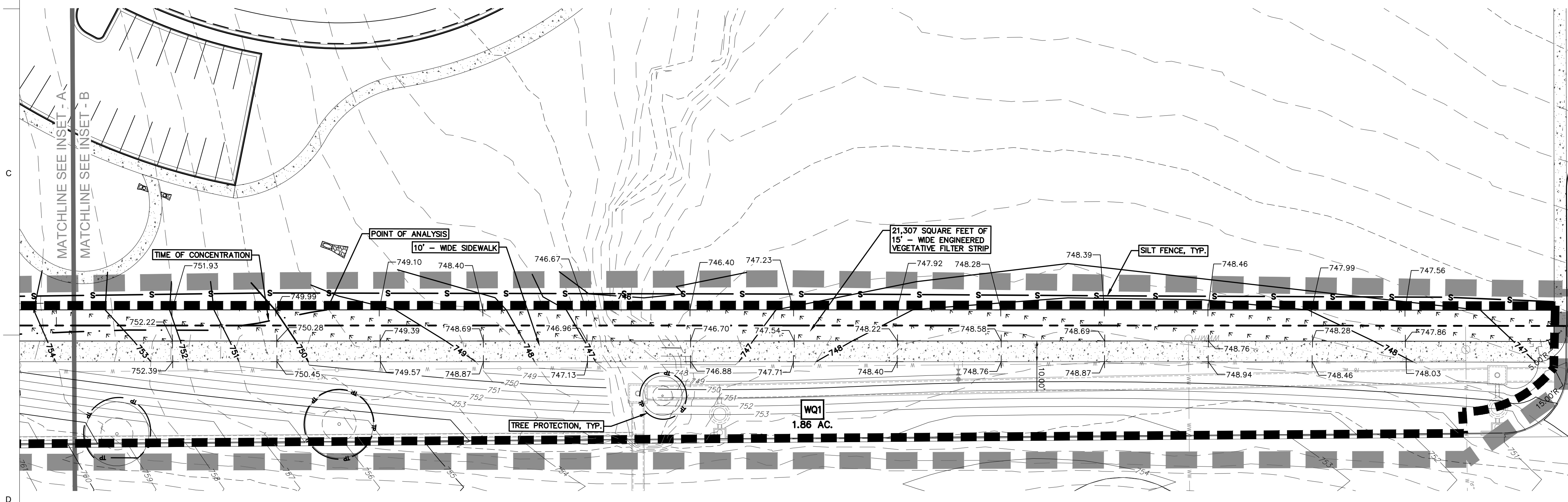
ATTACHMENT F – CONSTRUCTION PLANS

INSET - A



LEGEND	
EXISTING	DESCRIPTION
	PROPERTY (R.O.W.) LINE
	CONTOUR
	TIME OF CONCENTRATION
	DRAINAGE DIVE
	DIRECTION OF FLOW
	DRAINAGE AREA NUMBER AND ACREAGE

INSET - B



LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE / R.O.W. LINE
		RECORD INFORMATION
		LIGHT POLE
		GROUND LIGHT
		POWER POLE
		DOWN GUY
		WATER MANHOLE
		WATER LINE MARKER
		UNDERGROUND CABLE MARKER
		UNDERGROUND GAS LINE MARKER
		UNDERGROUND TELEPHONE MARKER
		GAS RISER
		TELEPHONE RISER
		SPRINKLER CONTROL BOX
		SWITCH GEAR & PAD
		TRANSFORMER (SIZE VARIES)
		FIRE HYDRANT
		WATER VALVE
		WATER METER
		WATER METER VAULT (SIZE VARIES)
		CABLE TV RISER
		ELECTRIC BOX
		ELECTRIC METER
		GAS METER
		GAS VALVE
		TRAFFIC CONTROL BOX
		TRAFFIC SIGNAL POST
		GRATE INLET
		CURB INLET (SIZE VARIES)
		GREASE TRAP (SIZE VARIES)
		ELECTRIC MANHOLE (SIZE VARIES)
		WASTEWATER MANHOLE (SIZE VARIES)
		STORMSEWER MANHOLE (SIZE VARIES)
		TELEPHONE MANHOLE (SIZE VARIES)
		WASTEWATER CLEANOUT
		WIRE FENCE
		WOOD FENCE
		CHAIN LINK FENCE
		DUMPSTER
		CURB & GUTTER
		EDGE OF PAVEMENT
		FIRE LANE DESIGNATION
		HANDICAP ACCESS ROUTE
		CONCRETE SIDEWALKS
		WALL
		SIGN
		WHEELSTOP
		BOLLARD
		FINISH FLOOR ELEVATION
		PARKING COUNT (REGULAR SPACES)
		PARKING COUNT (HANDICAP SPACES)
		PARKING COUNT (VAN SPACES)
		HANDICAP SPACE
		BIKE PARKING
		BARRICADE
		LIMITS OF CONSTRUCTION

WQ1			
Cover Description & Type	Acres	SF	%
<i>Impervious Areas - Paved parking lots, roofs, driveways, etc. (excluding right of way)</i>	0.33	14,375	17.74
<i>Open space lawns parks golf courses cemeteries - Good condition (grass cover 75%)</i>	1.53	66,647	82.26
Total	1.86	81,022	100

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



2024-30-SDP

NEW WILLIAMSON COUNTY
HEADQUARTERS FACILITY
BUILDING PACKAGE

Southwestern Blvd. / SE Inner Loop
Georgetown, Tx. 78626



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Drawn CU, JR

Checked MS, BB

Date February 23, 2024

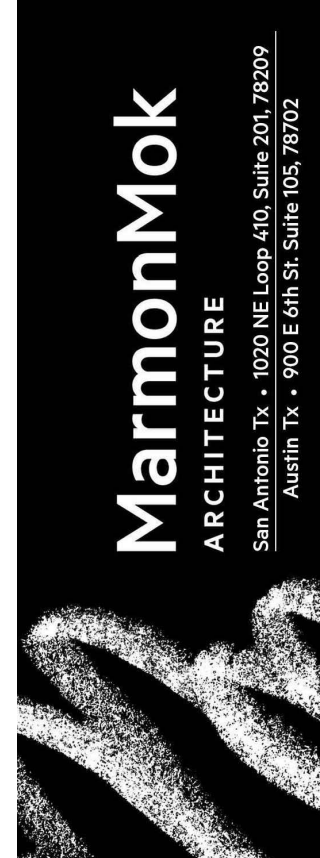
Project No. 22020

Revisions		
1	03/06/24	ADD No.1
2	03/28/24	Pier Package
3	05/06/24	Building Package
4	05/23/24	ADD No.3
5	06/19/24	ADD No.4
6	08/09/24	PR 04
7	09/06/24	PR 05
8	07/23/25	PR 16

SHEET TITLE
SOUTHWESTERN BLVD
SIDEWALK SITE AND WATER
QUALITY PLAN

SHEET NO.

36



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

I Dale Butler,
Print Name
Senior Director,
Title - Owner/President/Other
of Williamson County,
Corporation/Partnership/Entity Name
have authorized Mauricio Silveyra
Print Name of Agent/Engineer
of Garza EMC
Print Name of Firm

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

I also understand that:

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

SIGNATURE PAGE:


Applicant's Signature

11-9-23
Date

THE STATE OF Texas §

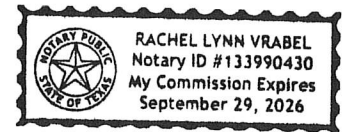
County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Dale Butler known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 09 day of November, 2023


NOTARY PUBLIC

Rachel Vrabel
Typed or Printed Name of Notary



MY COMMISSION EXPIRES: 09-29-2024

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Southwestern Blvd Expansion - Sidewalk Extension

Regulated Entity Location: Southwestern Blvd

Name of Customer: Williamson County

Contact Person: Dale Butler

Phone: (512)943-1599

Customer Reference Number (if issued): CN 600897888

Regulated Entity Reference Number (if issued): RN 1118871919

Austin Regional Office (3373)

☐ Hays

☐ Travis

☒ Williamson

San Antonio Regional Office (3362)

☐ Bexar

☐ Medina

☐ Uvalde

☐ Comal

☐ Kinney

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

☒ Austin Regional Office

☐ San Antonio Regional Office

☐ Mailed to: TCEQ - Cashier

☐ Overnight Delivery to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(512)239-0357

Site Location (Check All That Apply):

☐ Recharge Zone

☐ Contributing Zone

☐ Transition Zone

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	1 Each	\$ 500
Extension of Time	Each	\$

Signature: 

Date: 08/26/2025

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

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

Extension of Time Requests

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



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other Exception	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 600897888		RN 111871919

SECTION II: Customer Information

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

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
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SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
23. Street Address of the Regulated Entity: (No PO Boxes)								
	City		State		ZIP		ZIP + 4	
24. County								

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

25. Description to Physical Location:									
26. Nearest City					State				Nearest ZIP Code
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>									
27. Latitude (N) In Decimal:					28. Longitude (W) In Decimal:				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds				
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)			32. Secondary NAICS Code (5 or 6 digits)			
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)									
34. Mailing Address:									
	City		State		ZIP		ZIP + 4		
35. E-Mail Address:									
36. Telephone Number	37. Extension or Code				38. Fax Number (if applicable)				
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39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.


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

SECTION IV: Preparer Information

40. Name:	Mauricio Silveyra	41. Title:	Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 298-3284		() -	msilveyra@garzaemc.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	GarzaEMC	Job Title:	Project Manager
Name (In Print):	Mauricio Silveyra	Phone:	(512) 298- 3284
Signature:		Date:	08/26/2025