

# **MAVERICK CREEK GREENWAY WATER POLLUTION ABATEMENT PLAN**



**PARKS & RECREATION  
SAN ANTONIO**

**PREPARED FOR:**

City of San Antonio – Parks & Recreation  
5800 Enrique Barrera Pkwy  
San Antonio, Texas 78227

**PREPARED BY:**



100 NE LOOP 410, SUITE 701  
SAN ANTONIO, TEXAS 78216  
HALFF ASSOCIATES, INC.  
**TBPELS ENGINEERING FIRM No. 312**

**November 2025**

# **Water Pollution Abatement Plan Checklist**

## **Edwards Aquifer Application Cover Page (TCEQ-20705)**

### **General Information Form (TCEQ-0587)**

- Attachment A - Road Map
- Attachment B - USGS / Edwards Recharge Zone Map
- Attachment C - Project Description

### **Geologic Assessment Form (TCEQ-0585)**

- Attachment A - Geologic Assessment Table (TCEQ-0585-Table)
- Comments to the Geologic Assessment Table
- Attachment B - Soil Profile and Narrative of Soil Units
- Attachment C - Stratigraphic Column
- Attachment D - Narrative of Site-Specific Geology
- Site Geologic Map(s)
- Table or list for the position of features' latitude/longitude (if mapped using GPS)

### **Recharge and Transition Zone Exception Request Form (TCEQ-0628)**

- Attachment A - Nature of Exception
- Attachment B - Documentation of Equivalent Water Quality Protection

### **Temporary Stormwater Section (TCEQ-0602)**

- Attachment A - Spill Response Actions
- Attachment B - Potential Sources of Contamination
- Attachment C - Sequence of Major Activities
- Attachment D - Temporary Best Management Practices and Measures
- Attachment E - Request to Temporarily Seal a Feature, if sealing a feature
- Attachment F - Structural Practices
- Attachment G - Drainage Area Map
- Attachment H - Temporary Sediment Pond(s) Plans and Calculations
- Attachment I - Inspection and Maintenance for BMPs
- Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices

### **Permanent Stormwater Section (TCEQ-0600)**

- Attachment A - 20% or Less Impervious Cover Waiver, if project is multi-family residential, a school, or a small business and 20% or less impervious cover is proposed for the site
- Attachment B - BMPs for Upgradient Stormwater

Attachment C - BMPs for On-site Stormwater

Attachment D - BMPs for Surface Streams

Attachment E - Request to Seal Features (if sealing a feature)

Attachment F - Construction Plans

Attachment G - Inspection, Maintenance, Repair and Retrofit Plan

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

Attachment I - Measures for Minimizing Surface Stream Contamination

**Agent Authorization Form (TCEQ-0599), if application submitted by agent**

**Application Fee Form (TCEQ-0574)**

**Check Payable to the "Texas Commission on Environmental Quality"**

**Core Data Form (TCEQ-10400)**

# 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.

<b>1. Regulated Entity Name: COSA Greenway Trail System Maverick Creek Greenway</b>					<b>2. Regulated Entity No.:</b> <a href="#">RN110873320</a>				
<b>3. Customer Name: City of San Antonio – Public Works Department</b>					<b>4. Customer No.:</b> <a href="#">CN600130652</a>				
<b>5. Project Type:</b> (Please circle/check one)	New		Modification		Extension		Exception		
<b>6. Plan Type:</b> (Please circle/check one)	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
<b>7. Land Use:</b> (Please circle/check one)	Residential		Non-residential			<b>8. Site (acres):</b>		4.63 ac (201,682.80 sq.ft.)	
<b>9. Application Fee:</b>	\$500		<b>10. Permanent BMP(s):</b>			Vegetated Filter Strips			
<b>11. SCS (Linear Ft.):</b>	N/A		<b>12. AST/UST (No. Tanks):</b>			N/A			
<b>13. County:</b>	Bexar		<b>14. Watershed:</b>			Maverick Creek			

# Application Distribution

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

[http://www.tceq.texas.gov/assets/public/compliance/field\\_ops/eapp/EAPP%20GWCD%20map.pdf](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.

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

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

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

Luis Cardona, P.E.

Print Name of Customer/Authorized Agent

*Luis A. Cardona*

11/3/25

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: Luis Cardona, P.E.

Date: 11/3/25

Signature of Customer/Agent:

  
\_\_\_\_\_

## Project Information

1. Regulated Entity Name: COSA Greenway Trail System Maverick Creek
2. County: Bexar
3. Stream Basin: Maverick Creek
4. Groundwater Conservation District (If applicable): Edwards Aquifer Authority
5. Edwards Aquifer Zone:
  - Recharge Zone
  - Transition Zone
6. Plan Type:
  - WPAP
  - SCS
  - Modification
  - AST
  - UST
  - Exception Request

7. Customer (Applicant):

Contact Person: Juanita Fierro

Entity: City of Santonio

Mailing Address: 5800 Historic Old Highway 90

City, State: San Antonio, TX

Zip: 78227

Telephone: (210) 207-2170

FAX: N/A

Email Address: Juanita.Fierro@sanantonio.gov

8. Agent/Representative (If any):

Contact Person: Luis Cardona, P.E.

Entity: Halff

Mailing Address: 100 NE LOOP 410, SUITE 701

City, State: San Antonio, TX

Zip: 78216

Telephone: (210) 704-1379

FAX: N/A

Email Address: lcardona@halff.com

9. Project Location:

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

The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of \_\_\_\_\_.

The project site is not located within any city's limits or ETJ.

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

Maverick Creek between Old Babcock Rd and UTSA Blvd

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

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

Project site boundaries.

USGS Quadrangle Name(s).

Boundaries of the Recharge Zone (and Transition Zone, if applicable).

Drainage path from the project site to the boundary of the Recharge Zone.

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

Survey staking will be completed by this date: XXXX 2024

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

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

15. Existing project site conditions are noted below:

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

### ***Prohibited Activities***

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

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

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

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

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

### ***Administrative Information***

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

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

## FORM TCEQ-0587 ATTACHMENTS

### ATTACHMENT A – ROAD MAP

Attached following this page.

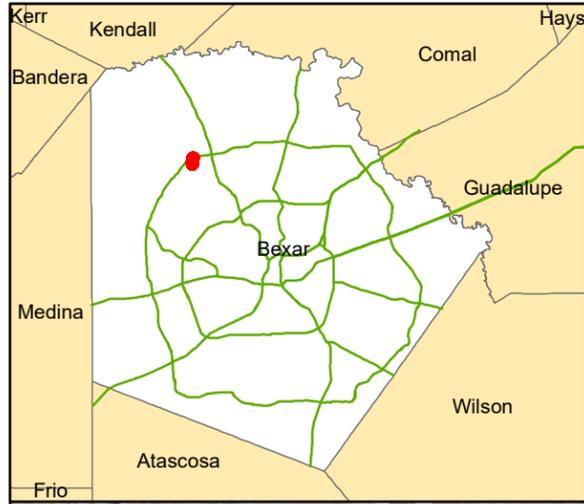
### ATTACHMENT B – USGS/EDWARDS AQUIFER RECHARGE ZONE MAP

Attached following this page.

### ATTACHMENT C – PROJECT DESCRIPTION

The City of San Antonio (COSA) – Parks and Recreation is proposing improvements to Maverick Creek Greenway Trail, located between Babcock Rd and UTSA BLVD, in Bexar County.

This project would construct 5,430 linear feet of 10' shared use path that includes sidewalk nodes that vary in width along the length of Maverick Creek Greenway Trail. This would add approximately 56,628 square feet (1.31 acres) of impervious surfaces over the Recharge Zone. The approximate project acreage is 4.63 acres (201,682.80 square feet) and the project will only disturb within this area for trail construction. Due to the minimal addition of impervious surface, the construction of shared use path vegetative filter strips will be constructed, and an Exception Request will be completed.



**Legend**

Project Location

Printing Date: 1/8/2024 11:31:16 AM  
 File: A:\53000s\53845\001\PM\GIS\Exhibits\RoadMap\_ Exhibit.mxd

The information contained in this map is derived as is with no claim or warranty as to its accuracy or completeness. The map is for reference only and should not be considered to be of survey precision.

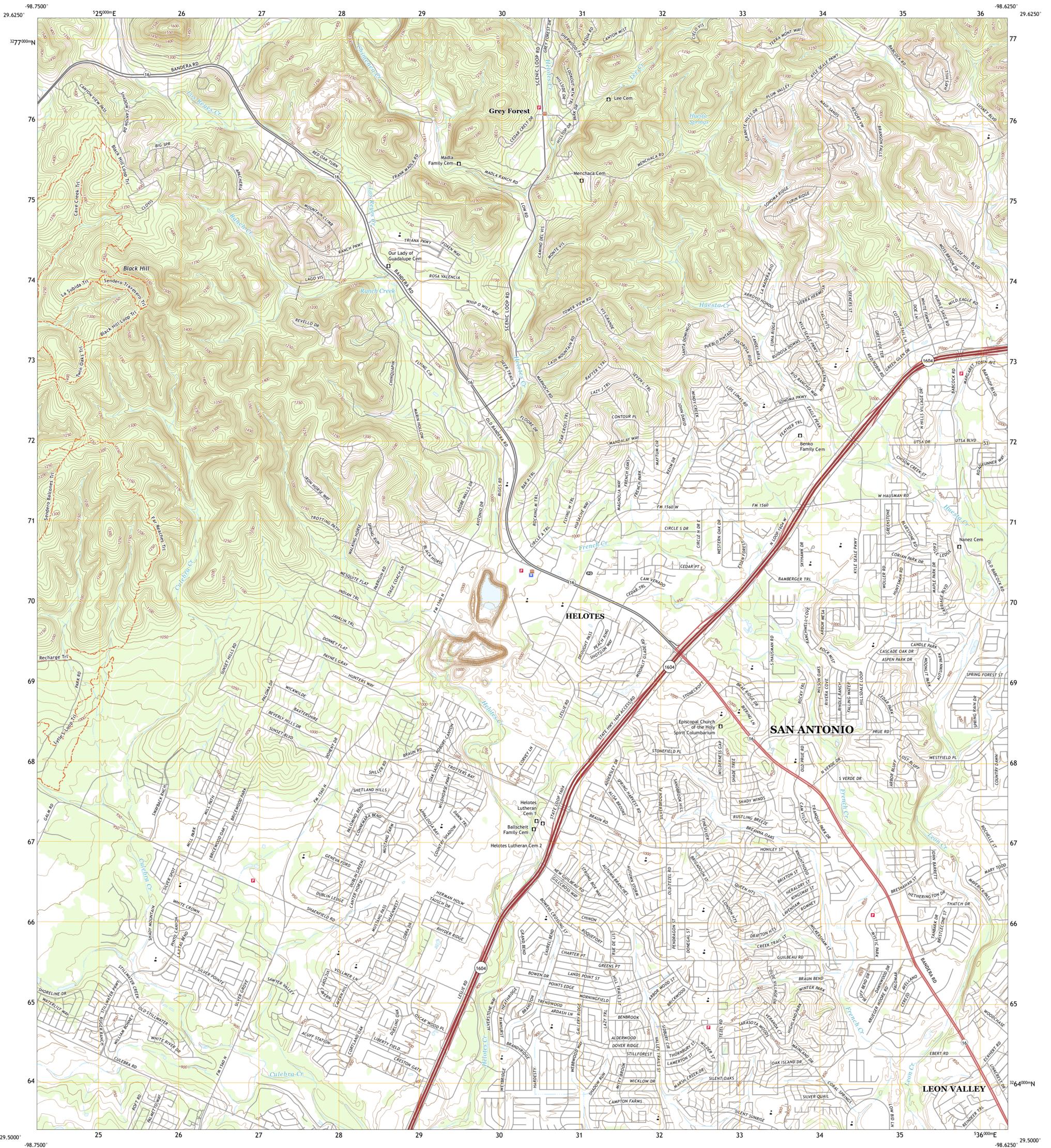


100 NE Intestate 410 Loop Suite 200  
 San Antonio, TX 78216



# ATTACHMENT A: ROAD MAP





Produced by the United States Geological Survey

North American Datum of 1983 (NAD83) World Geodetic System of 1984 (WGS84) Projection and 1 000-meter grid/Universal Transverse Mercator, Zone 14R This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery: NAIP, September 2016 - November 2016 Roads: U.S. Census Bureau, 2015 - 2019 Names: GNS, 1979 - 2021 Hydrography: National Hydrography Dataset, 2003 - 2018 Contours: National Elevation Dataset, 2019 Boundaries: Multiple sources; see metadata file 2019 - 2021 Wetlands: FWS National Wetlands Inventory Not Available

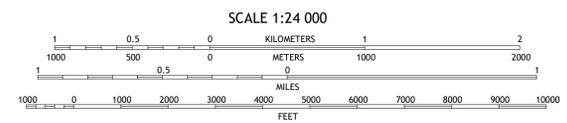
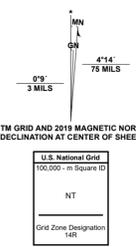
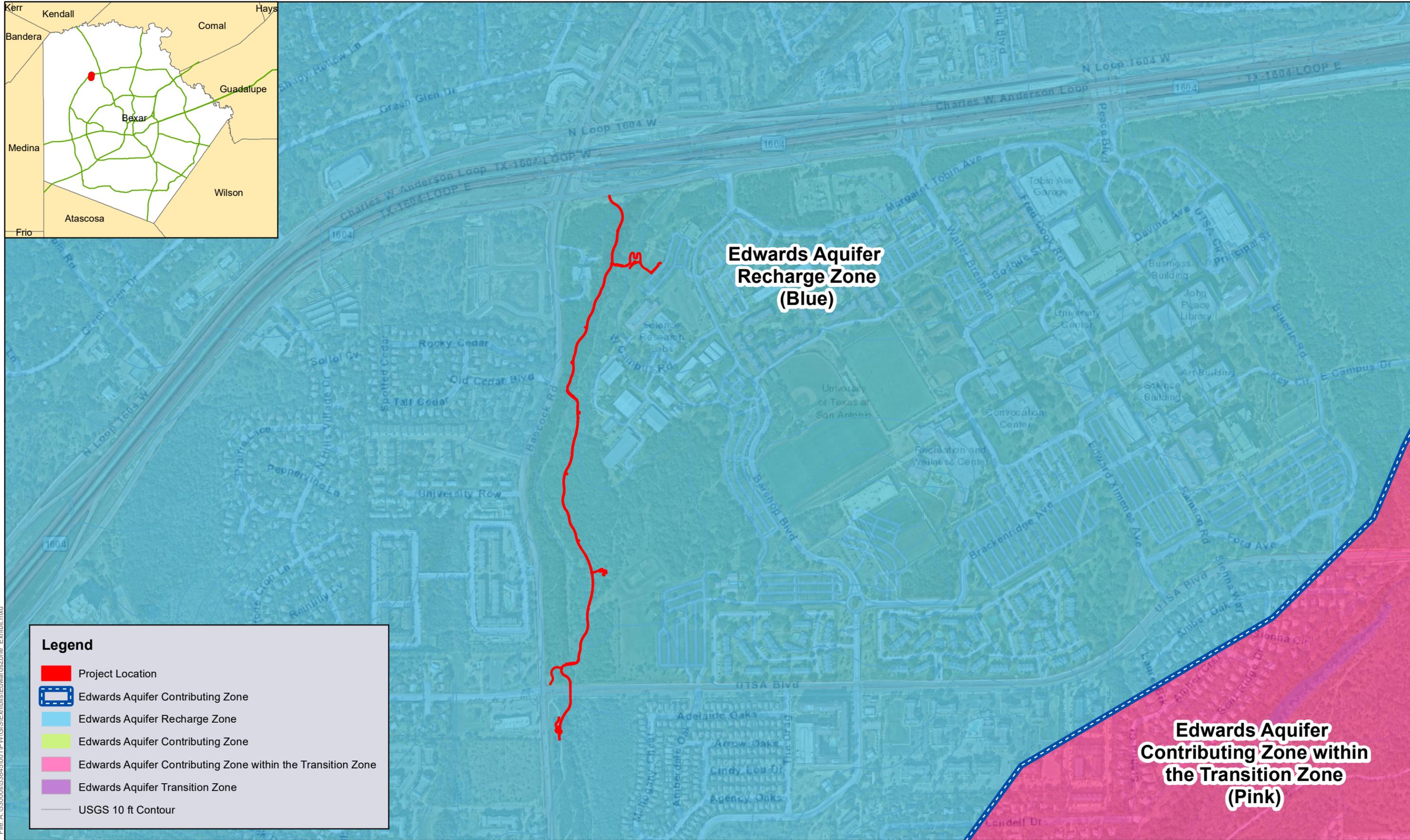
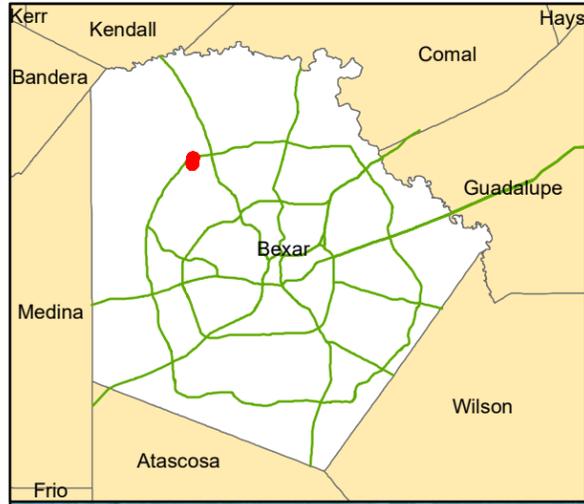


Table with 3 columns and 8 rows listing adjacent quadrangles: 1 Jack Mountain, 2 Van Raub, 3 Camp Bullis, 4 San Gerónimo, 5 Castle Hills, 6 La Coste NE, 7 Culebra Hill, 8 San Antonio West

ROAD CLASSIFICATION table with 4 columns: Expressway, Secondary Hwy, Ramp, Local Connector, Local Road, 4WD, US Route, State Route





**Legend**

- Project Location
- Edwards Aquifer Contributing Zone
- Edwards Aquifer Recharge Zone
- Edwards Aquifer Contributing Zone
- Edwards Aquifer Contributing Zone within the Transition Zone
- Edwards Aquifer Transition Zone
- USGS 10 ft Contour

Printing Date: 1/8/2024 11:28:11 AM  
 File: A:\53000s\63845\001\PM\GIS\Exhibits\EdwardsZone Exhibit.mxd

The information contained in this map is derived as is with no claim or warranty as to its accuracy or completeness. The map is for reference only and should not be considered to be an advisory precision.



100 NE Intestate 410 Loop Suite 200  
 San Antonio, TX 78216



**ATTACHMENT B: USGS/EDWARD'S AQUIFER RECHARGE ZONE MAP**



# Geologic Assessment

Texas Commission on Environmental Quality

For Regulated Activities on The Edwards Aquifer Recharge/transition Zones and Relating to 30 TAC §213.S(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: Dawne Butler Earll, P.G. Telephone: (210) 694-4545

Date: July 12, 2024 Fax: (210) 694-4577

Representing: Medina Consulting Co., Inc. TBPB No.50118

Signature of Geologist:



Regulated Entity Name: COSA Greenway Trail System Maverick Creek

## Project Information

1. Date(s) Geologic Assessment was performed: August 14, 15, & 17, 2023

2. Type of Project:

WPAP

SCS

AST

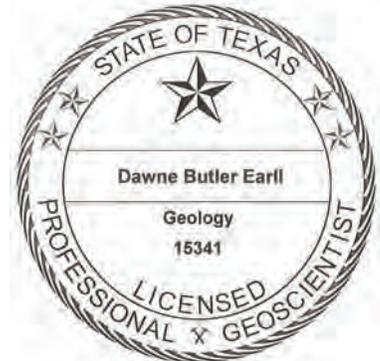
UST

3. Location of Project:

Recharge Zone

Transition Zone

Contributing Zone within the Transition Zone



  
7/12/24

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

**Table 1 - Soil Units, Infiltration Characteristics and Thickness**

Soil Name	Group*	Thickness(feet)
Crawford, stony & Bexar soils, 0-5% slopes	D	2.25-2.83
Lewisville silty clay, 1-3% slopes	B	5.75+
Patrick soils, 1-3% slopes, rarely flooded	B	5+

\* Soil Group Definitions (Abbreviated)

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

6.  **Attachment B – Stratigraphic Column.** A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
7.  **Attachment C – Site Geology.** A narrative description of the site-specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
8.  **Attachment D – Site Geologic Map(s).** The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'  
 Applicant's Site Plan Scale: 1" = 150'  
 Site Geologic Map Scale: 1" = 150'  
 Site Soils Map Scale (if more than 1 soil type): 1" = 150'
9. Method of collecting positional data:
  - Global Positioning System (GPS) technology.
  - Other method(s). Please describe method of data collection: \_\_\_\_\_
10.  The project site and boundaries are clearly shown and labeled on the Site Geologic Map.
11.  Surface geologic units are shown and labeled on the Site Geologic Map.

12.  Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.
- Geologic or manmade features were not discovered on the project site during the field investigation.
13.  The Recharge Zone boundary is shown and labeled, if appropriate.
14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.
- There are \_\_\_\_\_ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
- The wells are not in use and have been properly abandoned.
- The wells are not in use and will be properly abandoned.
- The wells are in use and comply with 16 TAC Chapter 76.
- There are no wells or test holes of any kind known to exist on the project site.

### ***Administrative Information***

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

Attachment A  
Geologic Assessment Table

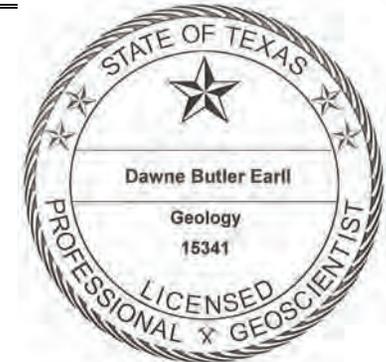
GEOLOGIC ASSESSMENT TABLE										PROJECT NAME: COSA Greenway Trail System Maverick Creek									
LOCATION			FEATURE CHARACTERISTICS											EVALUATION		PHYSICAL SETTING			
1A	1B"	1C"	2A	2B	3	4			5	5A	6	7	8A	8B	9	10	11		12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)	TOPOGRAPHY
						X	Y	Z								<40	≥40		
B1	29.58475°	-98.63046°	O	5	Kplc	1	5	unkn.	15	0	NA	None	N	5	10	X		X	Floodplain
M1	29.57709°	-98.63122°	MB	30	Kg	1	105	unkn.	NA	NA	NA	NA	COFV	5	35	X		X	Floodplain
M2	29.57709°	-98.63122°	MB	30	Kg	1	105	unkn.	NA	NA	NA	NA	COFV	5	35	X		X	Floodplain
H1**	29.57780°	-98.63125°	MB	30	Kg	.33	.33	15	NA	NA	NA	NA	N/A**	5	35	X		X	Floodplain
H2**	29.57867°	-98.63080°	MB	30	Kdr	.33	.33	10	NA	NA	NA	NA	N/A**	5	35	X		X	Floodplain
H3**	29.58272°	-98.63119°	MB	30	Kplc	.33	.33	20	NA	NA	NA	NA	N/A**	5	35	X		X	Floodplain
H4**	29.58534°	-98.63009°	MB	30	Kplc	.33	.33	20	NA	NA	NA	NA	N/A**	5	35	X		X	Floodplain
H5**	29.58529°	-98.62970°	MB	30	Kplc	.33	.33	10	NA	NA	NA	NA	N/A**	5	35	X		X	Floodplain
M3	29.57806°	-98.63127°	MB	30	Kg	2	2	unkn.	NA	NA	NA	NA	COFV	5	35	X		X	Floodplain
M4	29.57970°	-98.63134°	MB	30	Kg	2	2	unkn.	NA	NA	NA	NA	COFV	5	35	X		X	Floodplain
M5	29.58085°	-98.63202°	MB	30	Kg	2	2	unkn.	NA	NA	NA	NA	COFV	5	35	X		X	Floodplain
M6	29.58221°	-98.63143°	MB	30	Kg	2	2	unkn.	NA	NA	NA	NA	COFV	5	35	X		X	Floodplain
M7	29.58353°	-98.63074°	MB	30	Kplc	2	2	unkn.	NA	NA	NA	NA	COFV	5	35	X		X	Floodplain
M8	29.58495°	-98.56302°	MB	30	Kplc	2	2	unkn.	NA	NA	NA	NA	COFV	5	35	X		X	Floodplain

• DATUM: WGS 84

2A TYPE	TYPE	28 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 rock
C	Coarse – cobbles, breakdown, sand, gravel
O	Loose or soft mud or soil, organics, leaves, dark colors
F	Fines, compacted clay-rich sediment, soil profile, gray or red colors
V	Vegetation. Give details in narrative description
FS	Flowstone, cements, cave deposits
X	Other materials

12 TOPOGRAPHY	
Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed	



\*\*Note: These were boreholes created and filled with bentonite on the same day.

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

*Dawne Butler Earll*  
7/12/24

Dawne Butler Earll, P.G.

Date July 12, 2024

# Attachment B

## Stratigraphic Column

## COSA Greenway Trail System Maverick Creek

Time Period (Epoch)	Hydrologic Subdivision	Group	Formation/ Member	Hydrologic Function	Thickness (ft)	Lithology	Cavern Development	Porosity/ Permeability type	
<i>Erosional Surface</i>									
Late Cretaceous	Upper Confining Units		Del Rio Clay	CU	40-50	Blue-green to yellow-brown clay	None	None (primary upper confining unit)	
			Georgetown	CU	20-30	Reddish-brown and gray to light-tan, marly limestone w/ biomicritic texture; commonly contains fossils	Little to none	very low porosity and permeability	
Early Cretaceous	Edwards Aquifer	Edwards	Person Fm	Cyclic & marine members undivided	AQ	80-90	Mudstone to packstone, miliolid grainstone, chert	Many subsurface	Laterally extensive, water yielding
				Leached and collapsed members	AQ	70-90	Limestone: Crystalline, mudstone to grainstone, chert, collapsed breccia	Extensive lateral development, large rooms	Permeable, most not fabric porosity
				Regional dense member	CU	20-24	Limestone: dense argillaceous mudstone	Very few, only vertical fracture development	Not fabric, low permeability, vertical barrier
			Kainer Fm	Grainstone member	AQ	40-50	Limestone: miliolid grainstone, mudstone to wackestone, chert	Few	Not fabric, recrystallization reduces permeability
				Kirschberg evaporite member	AQ	40-50	Limestone: highly altered, crystalline, chalky mudstone, chert	Probably extensive cave development	Most fabric, one of the most permeable
				Dolomitic member	AQ	90-120	Limestone: mudstone to grainstone, crystalline, chert	Caves related to structure or bedding planes	Mostly not fabric, some bedding plane fabric
				Basal nodular member	CU, or Karst AQ	40-50	Limestone: shaly, nodular, mudstone to miliolid grainstone	Large lateral caves at surface	Fabric, stratigraphically controlled
	Lower Confining Unit	Trinity	Glen Rose limestone/upper member	CU; AQ (if evaporite beds)	208-560	Limestone: yellowish tan, thinly bedded, marl	Some surface cave development	Some water production at evaporite beds/Relatively impermeable	

Notes: AQ = Aquifer, CU = Confining Unit

Source: *Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers Within Northern Bexar and Comal Counties, Texas, Clark, et al., 2016*

 Mapped surficial geology

# Attachment C

## Site Geology

## Geology Narrative

The site lies in the recharge zone of the Edwards Aquifer. The attached figures show the location of the site, floodplain, topography, and geologic units.

### Site Soils

**Soil Units:** The project site lies on Crawford, stony & Bexar soils, 0-5% slopes (Cb), Lewisville silty clay, 1-3% slopes (LvB), and Patrick soils, 1-3% slopes, rarely flooded (PaB). The following paragraphs describe the soil units and are partially quoted from the *Soil Survey of Bexar County, Texas* (USDA, issued June 1966) and the Web Soil Service map unit descriptions.

*Cb:* This soil is primarily made up of Crawford, stony (51%) and Bexar (36%). “These soils occur as large areas, generally several hundred acres in size, and form a nearly continuous belt extending westward from the northeastern part of the county to a little south of Helotes. Crawford and similar soils make up approximately 64 percent of the acreage. Approximately 90 percent of this consists of soils that are stony clay in texture and are shallow to moderately deep over hard limestone. The surface layer is very dark gray to dark reddish-brown, noncalcareous clay and is 8 or 9 inches thick. From 10 to 40 percent of this layer consists of chert and limestone fragments. These fragments, which are on the surface and in the surface layer, range from a quarter of an inch to 24 inches in diameter. The subsurface layer generally contains a few chert fragments or small flags of cherty limestone. The surface layer of these soils ranges from cherty clay loam to gravelly loam in texture and from 14 to 22 inches in thickness. The subsoil is cherty clay and ranges from 6 to 14 inches in thickness. Cb soils are well-drained, and runoff class is Very High (Crawford component) to High (Bexar component). The depth to the water table is more than 80 inches. The capacity of the most limiting layer to transmit water ( $K_{sat}$ ) is very low to moderately low (0.00 to 0.06 in/hr; Crawford) to moderately low to moderately high (0.06 to 0.20 in/hr; Bexar).

*LvB:* “The Lewisville series consists of moderately deep, dark-colored, nearly level alluvial soils. These soils occur mainly on terraces bordering the San Antonio and Medina Rivers and their main tributaries. The surface layer is very dark grayish-brown to brown silty clay and is about 24 inches thick. It has fine subangular blocky or blocky structure, is firm and crumbly when moist, and is easily worked. This layer contains a few fine concretions of lime carbonate. The subsurface layer is brown silty clay and is about 20 inches thick. It has fine, subangular blocky or blocky structure and is very firm but crumbly when moist. This layer is limy. The underlying material is reddish-yellow silty clay. It has weak, blocky structure, is very firm when moist, and contains large amounts of lime. Beneath this layer, there may be deep beds of water-rounded limestone gravel.” The LvB soil is well-drained with a High runoff class. The depth to the water table is more than 80 inches. The  $K_{sat}$  is moderately low to moderately high (0.06 to 0.20 in/hr).

*PaB*: “The Patrick series consists of shallow, dark-colored, nearly level and gently sloping soils. These soils occur as terraces along streams that drain the limestone prairies of the county.” “The surface layer is clay loam, gravelly clay loam, silty clay, or light clay and about 12 inches thick. This layer has granular structure. It is moderately permeable, firm to friable when moist, and calcareous.” “The subsurface layer is brown, clay loam, loam, or light clay. It is about 5 inches thick. This layer also is friable when moist and calcareous. The substratum consists of waterworn, lime-coated limestone gravel.” The PaB soil is well-drained with a Low runoff class. The depth to the water table is more than 80 inches. The  $K_{sat}$  is moderately high to high (0.57 to 1.98 in/hr).

## Site Geology

**Literature Review:** In Figure 7 (Clark, et al., 2016) and attachment D, the site is mapped in the Del Rio Clay (Kdr), Georgetown Formation (Kg), and Person Formation, leached and collapsed member (Kplc). One fault is mapped as passing through the site. An older map, Figure 6, shows geology of the area from the Blome, et al. (2005) geologic map. On this map, the site is mapped in the Kainer Formation, dolomitic member (Kkd) and the Person Formation, cyclic & marine member (Kpcm). Two faults (one is inferred) are mapped as passing through the site. We are using the 2016 map for our site-specific map because it matches observations. The following descriptions were taken from the Clark, et al. (2016) descriptions in the map’s accompanying pamphlet.

*Kdr*: “The Del Rio Clay of the Washita Group is typically 40–50 ft thick in the study area. It is a fossiliferous, blue-green to yellow-brown clay with thin beds of packstone. The Del Rio Clay of the Washita Group contains iron nodules and the index fossil *Ilymatogyra arietina*. The contact between the Del Rio Clay and the overlying Buda Limestone is unconformable (Martin, 1967) and easily recognized, with the Buda Limestone blocks often slumping down hillsides over the Del Rio Clay outcrops (Clark and others, 2013).”

*Kg*: “The Georgetown Formation of the Washita Group is typically 20–30 ft thick in the study area and is a reddish- brown, gray to light tan, shaly mudstone and wackestone. It commonly contains black dendrites, iron nodules, and iron staining and often resembles the Buda Limestone. According to Maclay and Small (1976), the Georgetown Formation overlies the Person Formation of the Edwards Group unconformably. The Georgetown Formation contains dispersed pyrite and organic material in beds of dense, shaly limestone that suggest a condition of undisturbed deposition in a reducing environment (Maclay and Small, 1976). The Georgetown Formation is often fossiliferous with *Plesioturrillites brazoensis* and *Waconella wacoensis* common. *Waconella wacoensis* is the index fossil for the Georgetown Formation. The Del Rio Clay overlies the Georgetown Formation unconformably.”

*Kplc*: “The leached and collapsed members (undivided) are typically 70–90 ft thick in the study area and consist of a hard, dense, recrystallized limestone (Maclay and Small, 1976; Stein and Ozuna, 1995). The member is generally a mudstone, wackestone, packstone, and grainstone containing chert and occasional collapse breccias. These units are heavily bioturbated with iron-stained beds (Stein and Ozuna, 1995) separated by more massive limestone beds. The leached and collapsed members are often stromatolitic and contain chert both as beds and as large nodules. Fossils and fragments of *Toucasia* sp. are often found just above the contact with the underlying regional dense member. Although rare, the coral *Montastrea roemeriana* and oysters can be found.”

**Observations:** The site lies on land that is forested with small clearings/areas with less tree cover. Numerous boulders (on the surface and emerging), cobbles, and leaf litter cover most of the forested ground surface with some grasses, weeds, and small cacti present where more sunlight can penetrate (Photographs 1 to 4). The boulders appear to be part of the soil profile. The site is very uneven (i.e., “lumpy and bumpy”), especially between the current and former streambeds.

The pre-scoping layout (pdf) by T-Core Engineers shows SAWS sewer lines passing under the site in a few places. Manholes were observed near the site, but not on it. The manholes were on elevated cement collars that were in good condition with vegetated soil overlapping (i.e., the piping under the collars was not exposed).

One fault was shown on the site in the geologic map (Figure 7 and attachment D), but it was not observed at the site (i.e., no cracks, disruptions, or layer discontinuities visible on the ground surface). No significant pavement cracking outside the site, on both sides, was observed. Some minor cracking along UTSA’s West Campus Rd/Service Rd. Since it occurs along most of that road, mostly along the edges, it can be attributed to heavy vehicles and inadequate road construction.

No sensitive geologic or manmade features were identified on the site. The bedrock feature and two related manmade features are listed in the Geologic Assessment Table is described below.

B1 (Photograph 1) - Possible exposed bedrock (not obviously a surfacing boulder): The surface has a number of exposed bioturbation holes, none of which are deep, and superficial surface cracking. It is possible that this is another surfacing boulder in an area with many surface and surfacing boulders, which are common in the Cb soil type. No rapid infiltration infilling was observed (the whole area is covered with leaf litter).

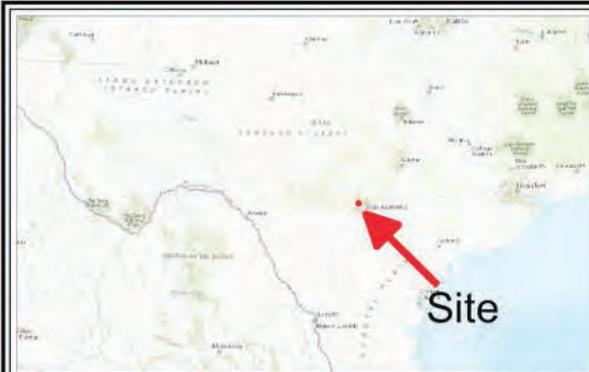
M1 and M2 (Photograph 2) - These are the UTSA Blvd road supports that the trail will pass between. It is possible that they extend downward into the bedrock. No rapid infiltration infilling was observed.

H1 through H5 - These were boreholes drilled for geotechnical sample collection. No voids were encountered during the drilling process at all boreholes, and all were filled with bentonite after sample collection. *Only boreholes H2, H3, and H5 are located inside the project area.*

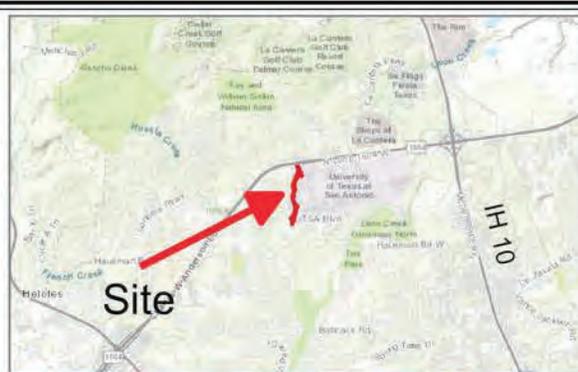
M3 through M8 - These are all manhole access points. All manholes have concrete collars extending into the soil. No rapid infiltration infilling was observed at any of the collars. *None of the manholes are inside the project area.*

**If features are discovered during construction, work should stop, and the Texas Commission on Environmental Quality (TCEQ) notified so that the feature can be evaluated.**

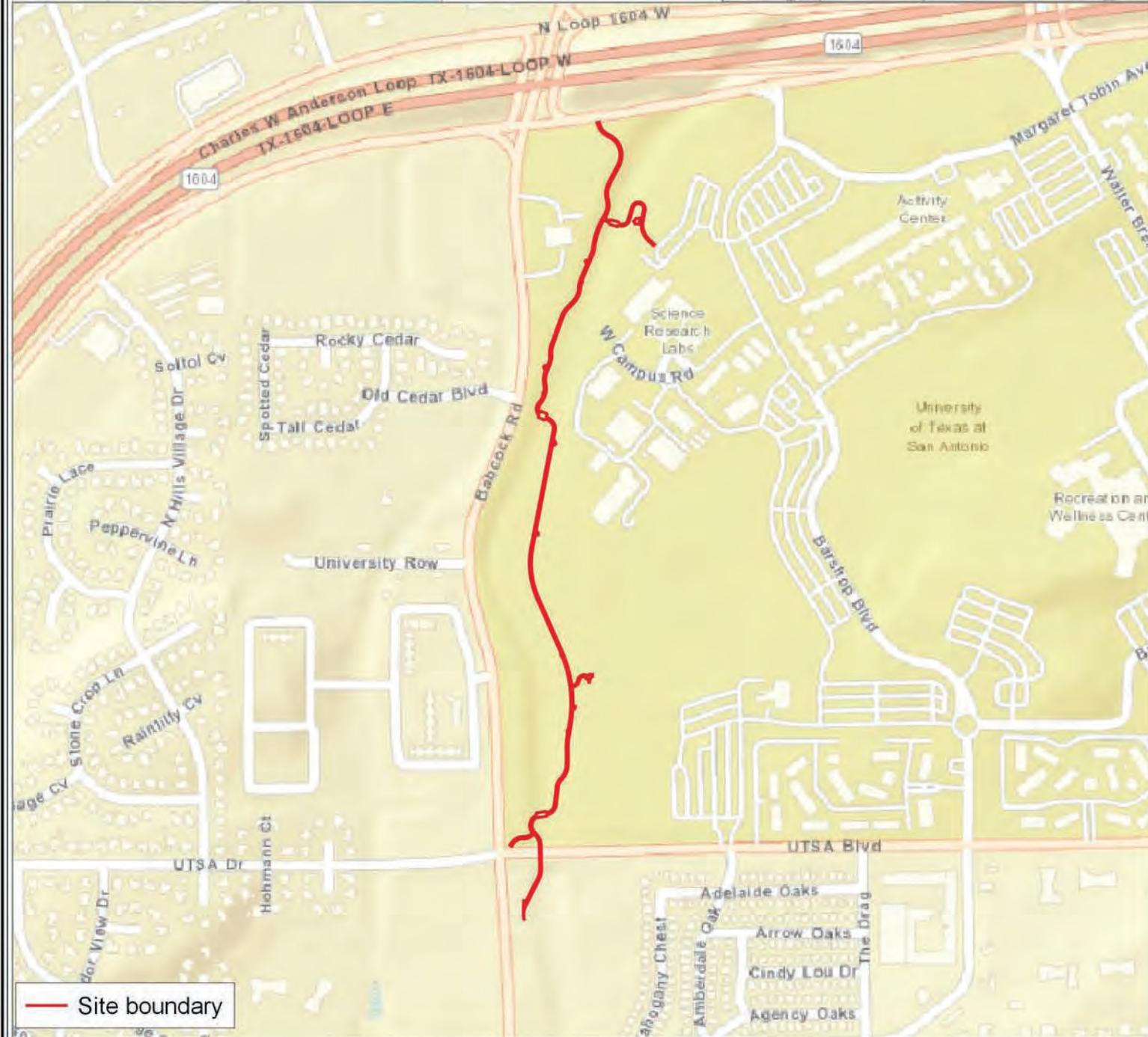
# Figures



Site



Site



— Site boundary

Source: ESRI Standard



Figure 1: Project Area Location  
 COSA Greenway Trail System Maverick Creek  
 Geologic Assessment  
 San Antonio, Texas

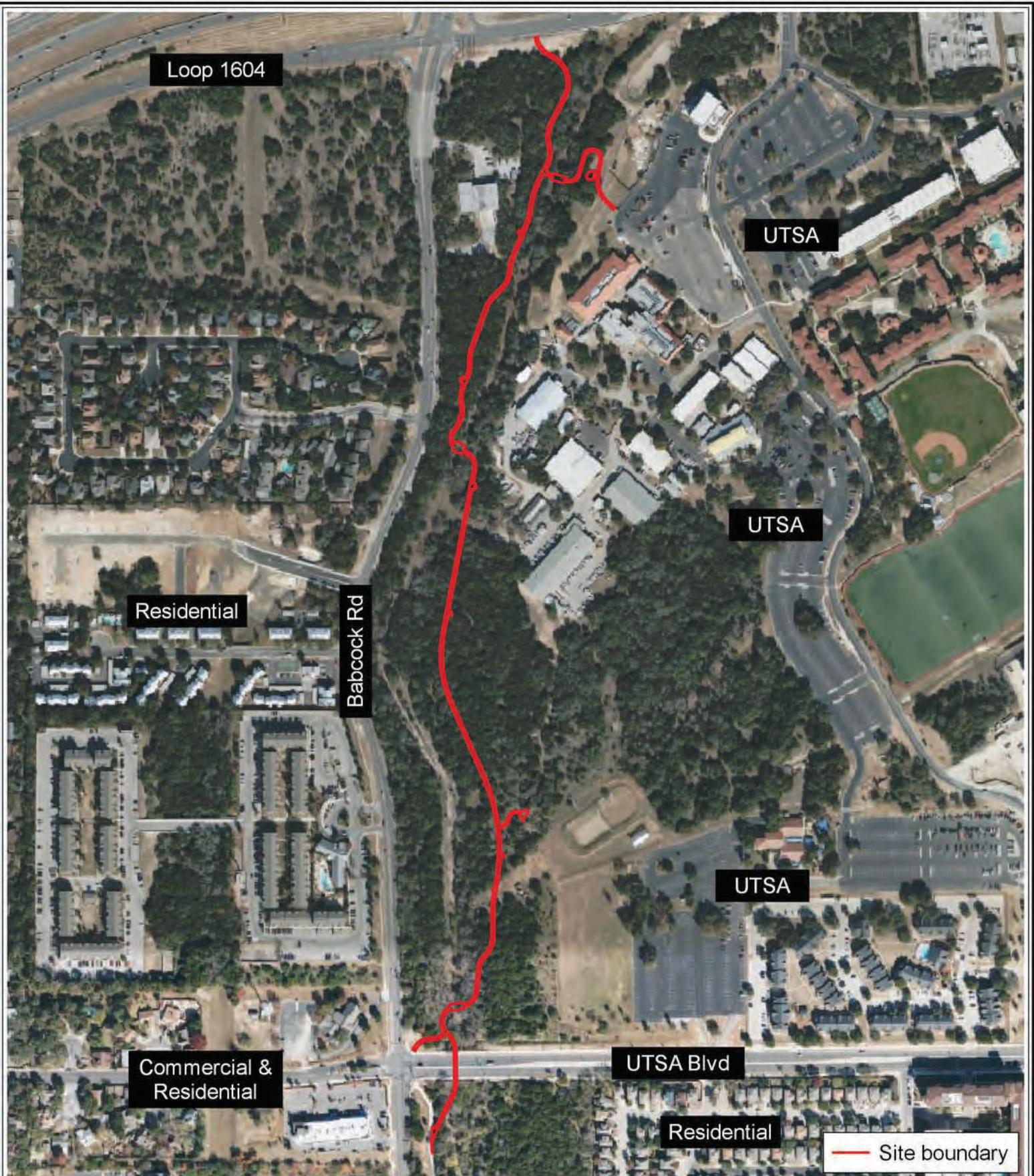


Author: Dawne M. Butler 8/22/23

525 0 525 ft



1:8000



Source: Bing Maps Satellite Imagery



Figure 2: Site and Vicinity  
 COSA Greenway Trail System Maverick Creek  
 Geologic Assessment  
 San Antonio, Texas

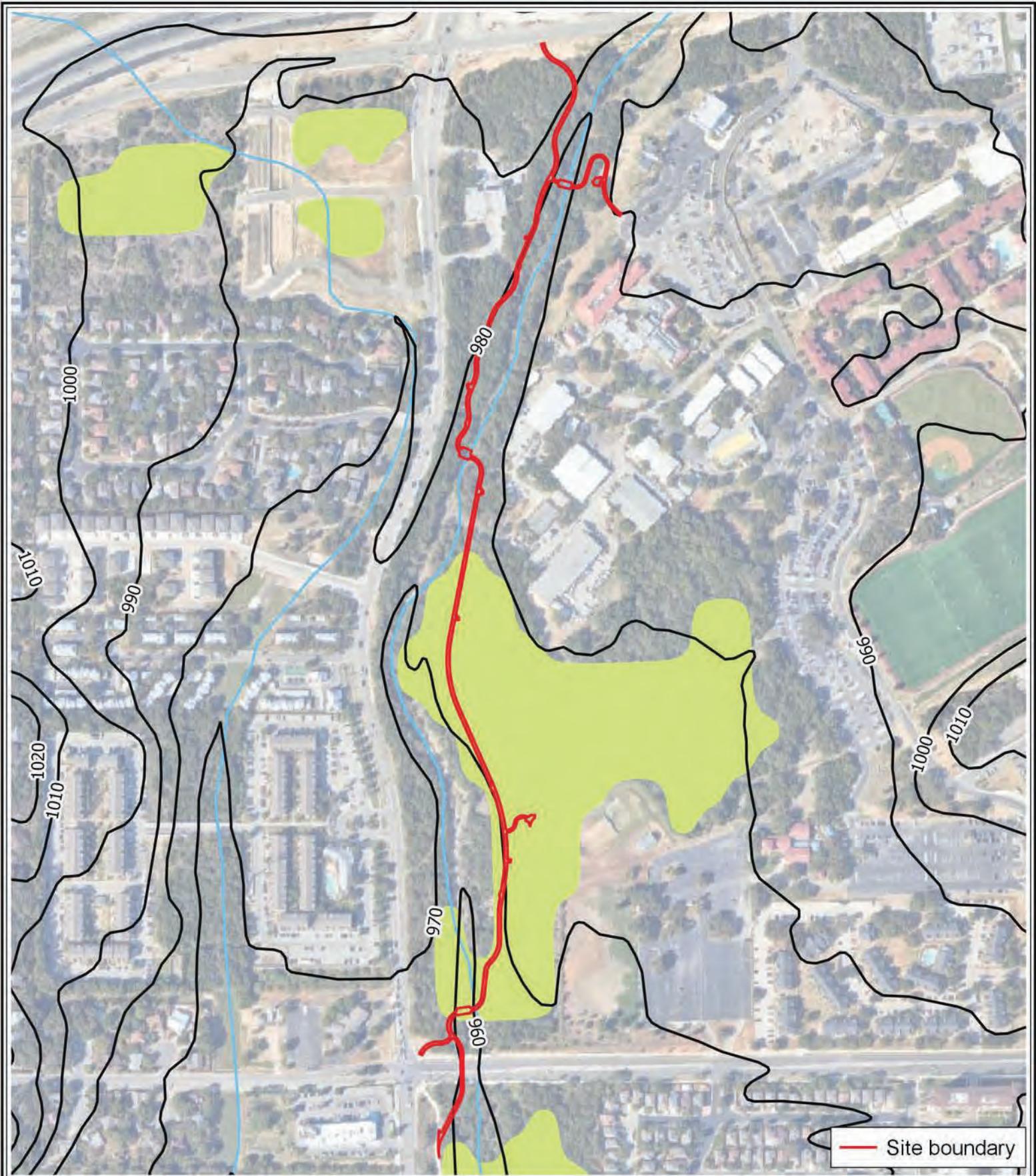


Author: Dawne M. Butler 8/22/23

325 0 325 ft



1:5100



Source: USGS Helotes, TX vector files (2022)



Figure 3: Site Topography  
 COSA Greenway Trail System Maverick Creek  
 Geologic Assessment  
 San Antonio, Texas

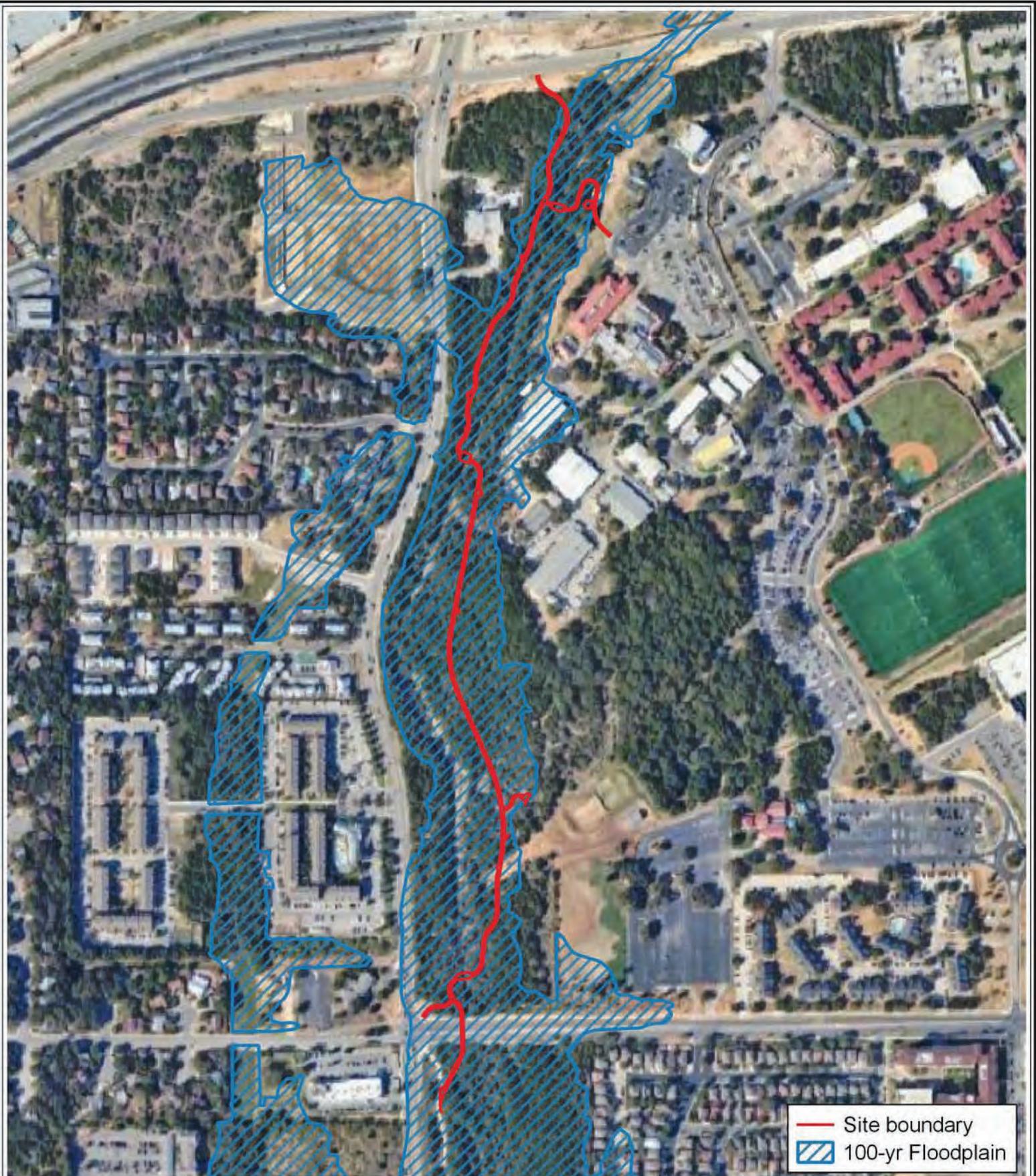


Author: Dawne M. Butler 8/22/23

350 0 350 ft



1:5100



Sources: FEMA NFHL Data 48029C, eff. 9/29/2010; Google Satellite



Figure 4: FEMA Flood Zone Map  
 COSA Greenway Trail System Maverick Creek  
 Geologic Assessment  
 San Antonio, Texas

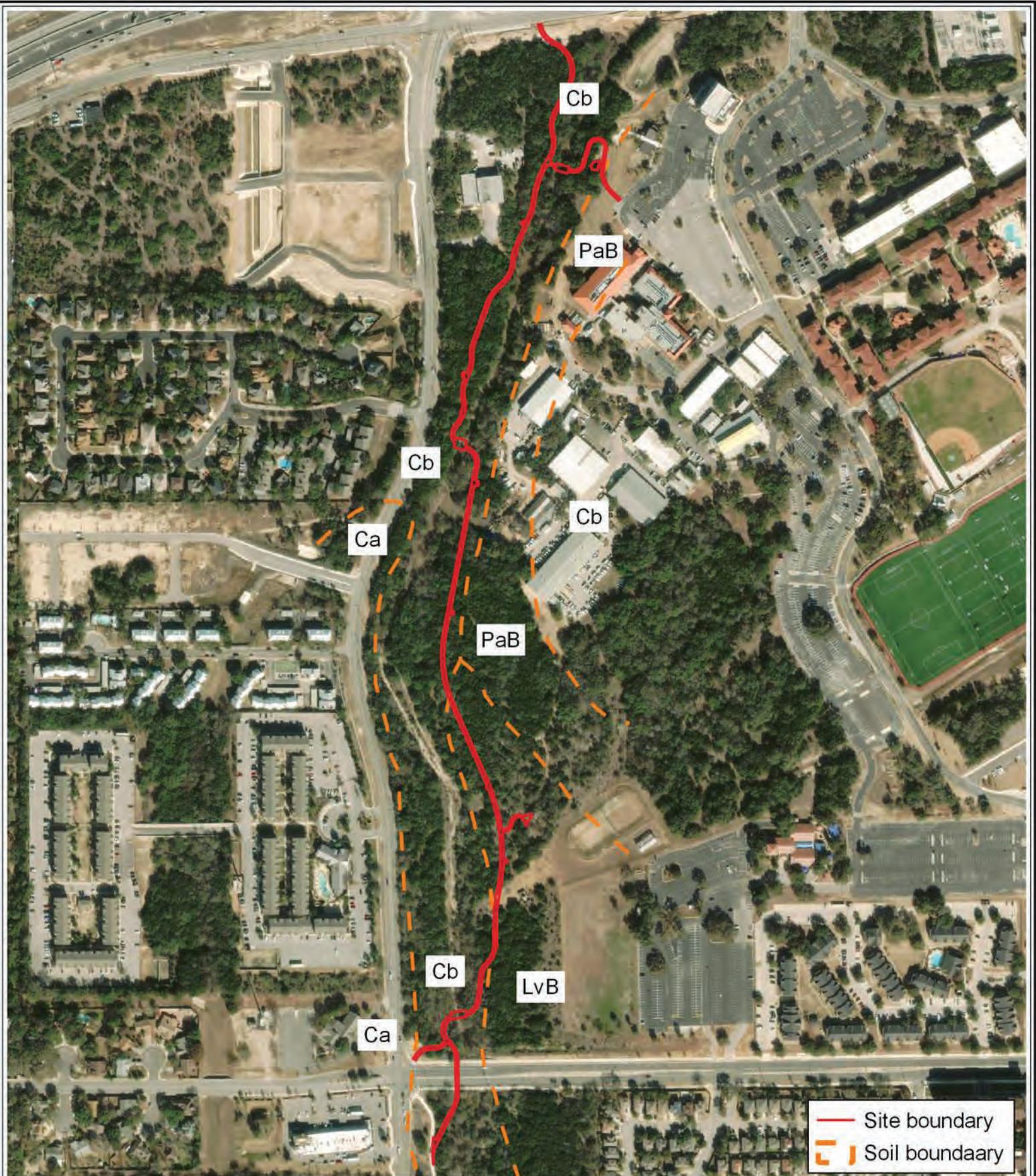


Author: Dawne M. Butler 8/2/23

400 0 400 ft



1:5500



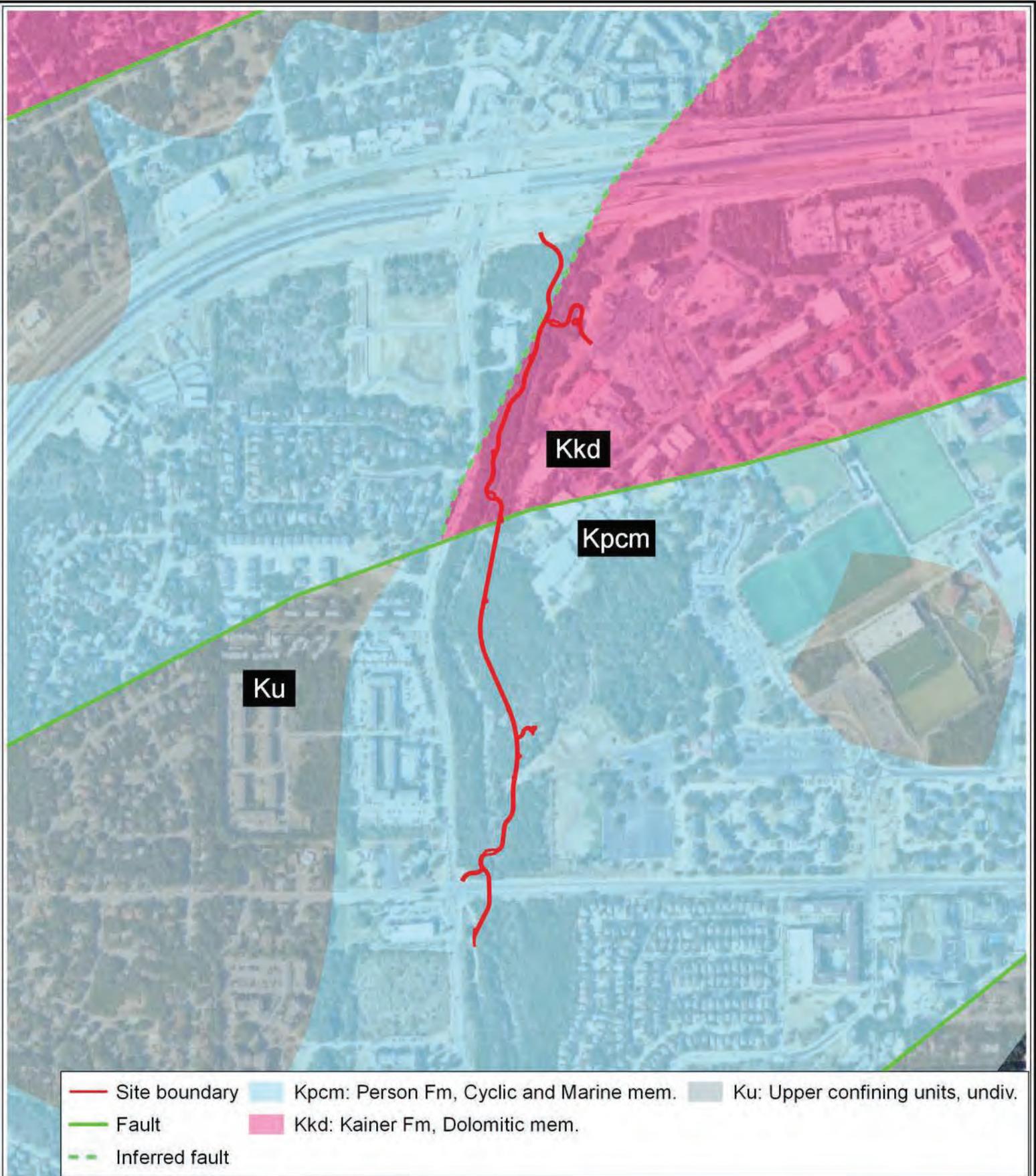
Sources: USDA Web Soil Survey data, ESRI Satellite



Figure 5: Soil types  
 COSA Greenway Trail System Maverick Creek  
 Geologic Assessment  
 San Antonio, Texas



Author: Dawne M. Butler 8/22/23  
 325 0 325 ft  
 1:5000



Sources: Blome, et al., USGS SIM 2873 (2005); Google Satellite



Figure 6: 2005 Site Geology  
 COSA Greenway Trail System Maverick Creek  
 Geologic Assessment  
 San Antonio, Texas

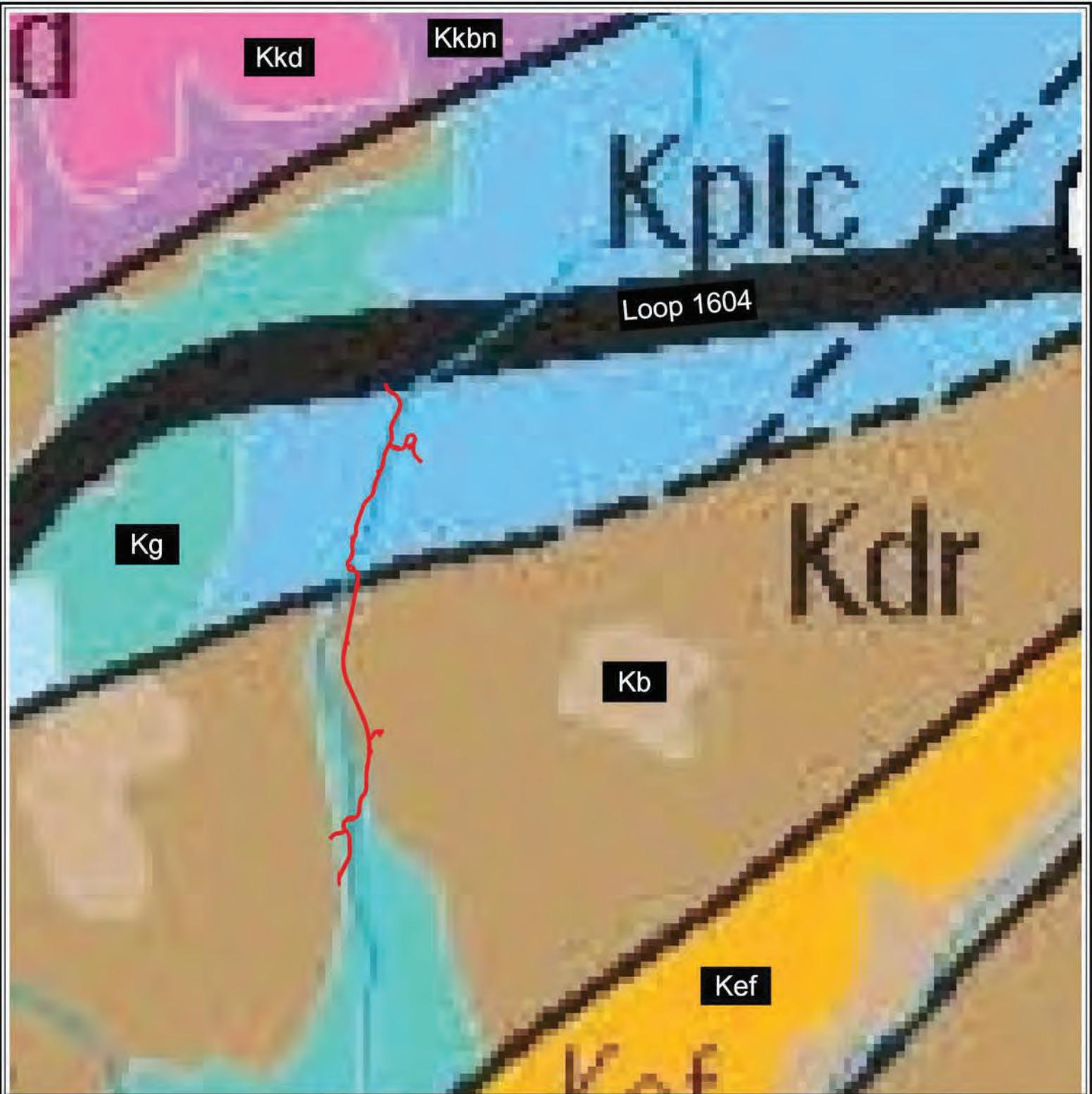


Author: Dawne M. Butler 8/24/23

550 0 550 ft



1:8000



- |                |   |                                     |
|----------------|---|-------------------------------------|
| Site boundary  | Kplc: Person Fm, Leached and collapsed mem. | Kef: Eagle Ford Group               |
| Fault          | Kdr: Del Rio Clay                           | Kb: Buda Limestone                  |
| Inferred fault | Kg: Georgetown Fm                           | Kkbn: Kainer Fm, Basal nodular mem. |
| Stream         | Kkd: Kainer Fm, Dolomitic mem.              |                                     |

Source: Clark, et al., USGS SIM 3366 (2016)



Figure 7: 2016 Site Geology  
 COSA Greenway Trail System Maverick Creek  
 Geologic Assessment  
 San Antonio, Texas



Author: Dawne M. Butler 8/24/23

825 0 825 ft



1:12000

# Photographs



Photograph 1 - View of possible exposed bedrock just outside the edge of the site (may be a surfacing boulder, which is common in the Cb soil type)



Photograph 2 - View of the northern side of the UTSA Blvd road supports that the trail will pass between



Photograph 3 - View of typical forest floor showing surface and surfacing boulders typical of the Cb soil type

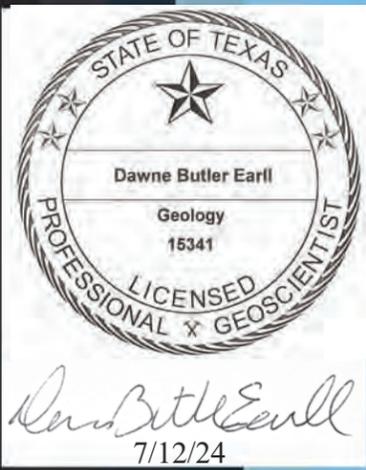
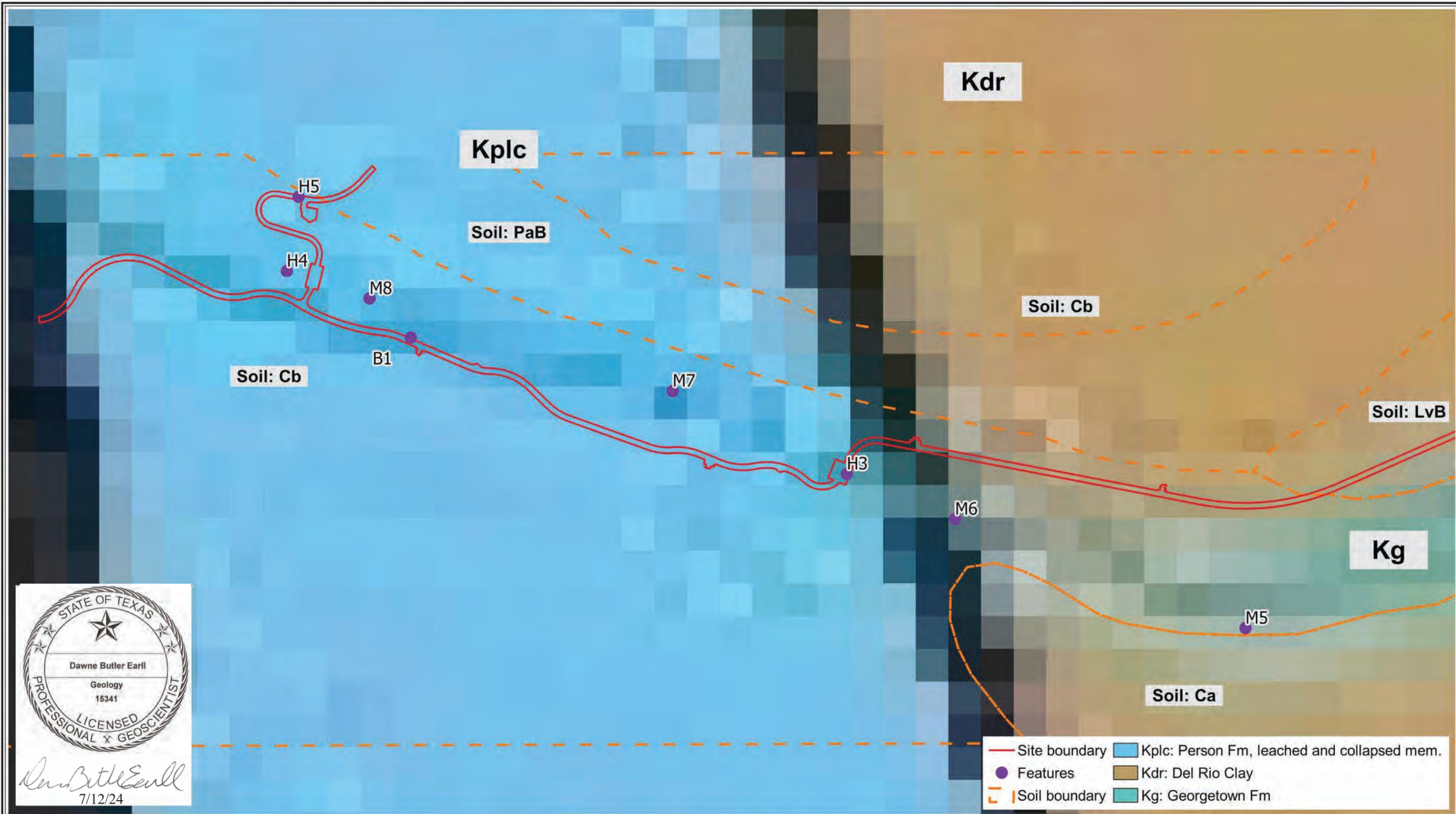


Photograph 4 - View northeastward of soil type PaB; the parking lot will be the eastern terminus of the northern trail offshoot southwest of the UTSA Mesquite Lab

## REFERENCES

- Blome, C., Faith, J., Pedraza, D., Ozuna, G., Cole, J., Clark A., Small, T., Morris, R., Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas, USGS Scientific Investigations Map 2873, scale 1:200,000, 2005.
- Clark, A., Golab, J., and Morris, R., Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers Within Northern Bexar and Comal Counties, Texas, USGS Scientific Investigations Map 3366, scale 1:24,000, 2016.
- Google (Earth Pro and Maps), Images of site, accessed August-September 2023.
- Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture, Web Soil Survey, Available online at <https://websoilsurvey.nrcs.usda.gov/>, Accessed August 2023.
- Stein, W. G., and Ozuna, G. B., Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas: US Geological Survey, Water Resource Investigations Report (95-4030).
- Texas Commission on Environmental Quality (TCEQ), *Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge Zone*, TCEQ-0585-Instructions, 2004, [https://www.tceq.texas.gov/assets/public/compliance/field\\_ops/eapp/F-0585\\_geologic\\_assessment\\_instructions.pdf](https://www.tceq.texas.gov/assets/public/compliance/field_ops/eapp/F-0585_geologic_assessment_instructions.pdf), accessed June 2013.
- Taylor, F., Hailey, R., and Richmond, D., United States Department of Agriculture, Soil Conservation Service (USDA SCS), *Soil Survey of Bexar County, Texas*, reissued 1991.

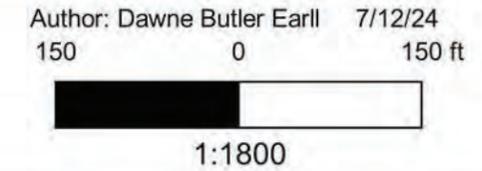
Attachment D  
Site Geologic Maps  
(North and South)

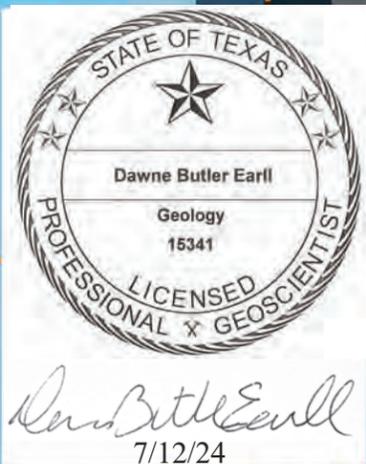
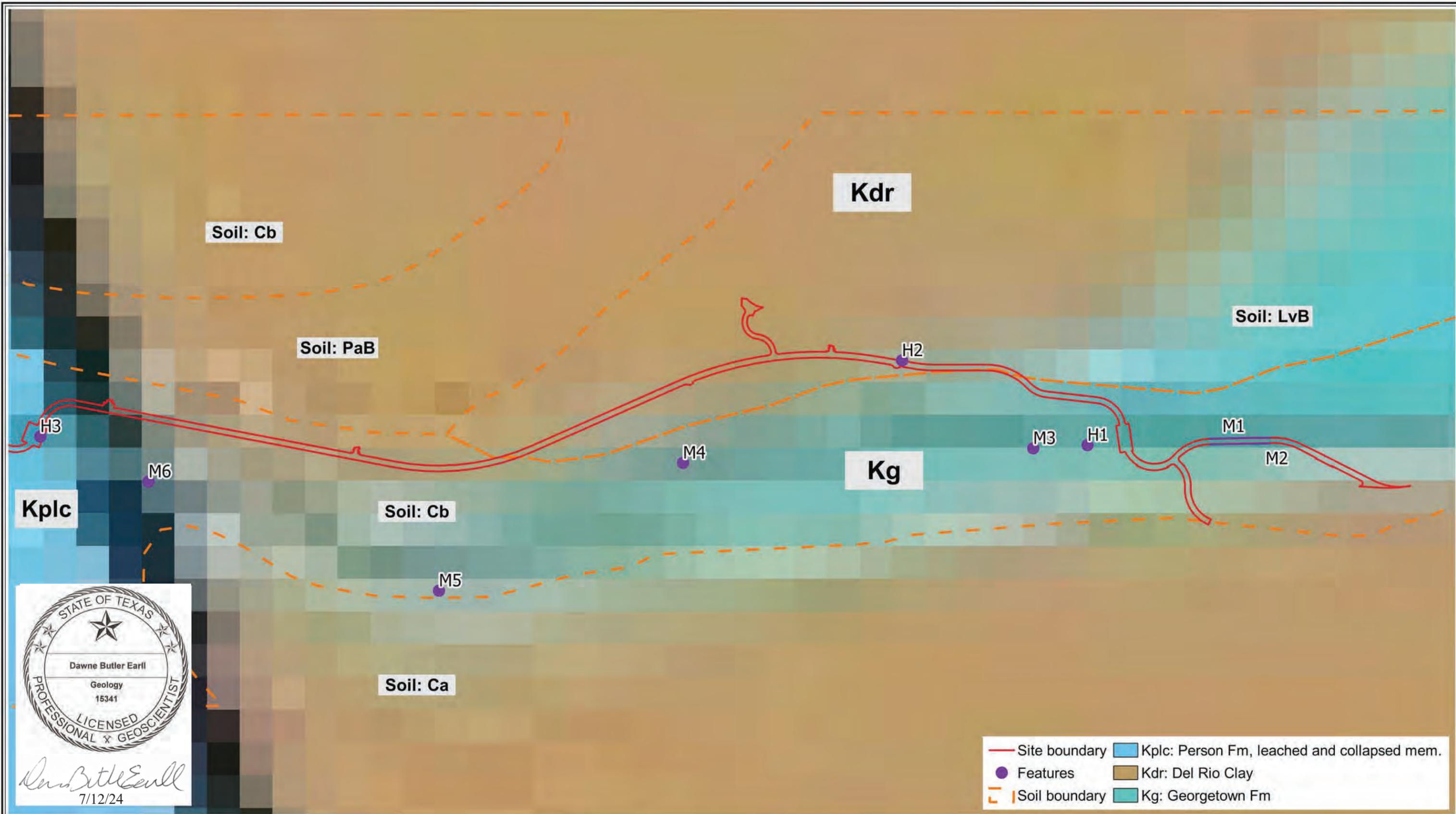


Sources: Clark, et al., 2016; USDA Web Soil Survey, 2023;



Attachment D North- Project Area Features, Soil, & Geology  
 COSA Greenway Trail System Maverick Creek  
 Geologic Assessment  
 San Antonio, Bexar County, Texas



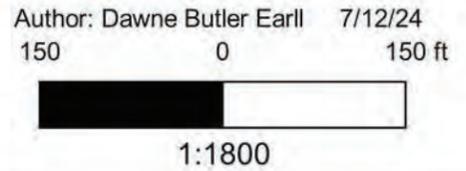


- Site boundary
- Features
- Soil boundary
- Kplc: Person Fm, leached and collapsed mem.
- Kdr: Del Rio Clay
- Kg: Georgetown Fm

Sources: Clark, et al., 2016; USDA Web Soil Survey, 2023;



Attachment D South- Project Area Features, Soil, & Geology  
 COSA Greenway Trail System Maverick Creek  
 Geologic Assessment  
 San Antonio, Bexar County, Texas



# 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: Luis Cardona, P.E.

Date: 11/3/25

Signature of Customer/Agent:



---

**Regulated Entity Name:** COSA Greenway Trail System Maverick Creek

## Exception Request

- 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.
- Attachment B - Documentation of Equivalent Water Quality Protection.** Documentation demonstrating equivalent water quality protection for the Edwards Aquifer is attached.

## 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.
- The applicant understands that no exception will be granted for a prohibited activity in Chapter 213.
- The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.

## FORM TCEQ-0628 ATTACHMENTS

### ATTACHMENT A — NATURE OF EXCEPTION

The City of San Antonio (COSA) – Parks and Recreation is proposing improvements to Maverick Creek Greenway Trail, located between Babcock Rd and UTSA BLVD, in Bexar County.

This project would construct 5,430 linear feet of 10' shared use path that includes sidewalk nodes that vary in width along the length of Maverick Creek Greenway Trail. This would add approximately 56,628 square feet (1.31 acres) of impervious surfaces over the Recharge Zone. The approximate project acreage is 4.63 acres (201,682.80 square feet) and the project will only disturb within this area for trail construction. Due to the minimal addition of impervious surface, the construction of shared use path vegetative filter strips will be constructed, and an Exception Request will be completed.

### ATTACHMENT B — DOCUMENTATION OF EQUIVALENT WATER QUALITY PROTECTION

Equivalent water quality protection will include adding 5.2' of engineered vegetative filter strips for the 10' trail sections along down gradient side of proposed trail. For trail sections that exceed 10', 15' of engineered vegetated filter will be used instead. These areas will be overtreated to compensate for areas that are not being treated. The existing established outside of the area of disturbance will be protected and utilized as an established vegetation. See attached Environmental Layout.

# 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: Luis Cardona, P.E.

Date: 11/3/25

Signature of Customer/Agent:



Regulated Entity Name: COSA Greenway Trail System Maverick Creek

## 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: Maverick Creek

### ***Temporary Best Management Practices (TBMPs)***

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

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

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

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

### ***Soil Stabilization Practices***

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

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

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

### ***Administrative Information***

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

## FORM TCEQ-0602 ATTACHMENTS

### ATTACHMENT A — SPILL RESPONSE ACTIONS

Should an accidental release occur, it will be immediately contained by earthen dikes, berms or other appropriate measures. Free liquids will be stabilized promptly using bulking agents, absorbent pads, booms, soil or other appropriate material. Once no free liquids are present in the containment area, the released material will be picked up mechanically or by personnel wearing proper protective equipment and stored in 55-gallon steel drums or on plastic sheeting. Released material will be covered to prevent contact with stormwater. Stormwater runoff will be diverted around the stored material if necessary. Traffic will be routed around and away from any spill to avoid spreading the spilled material to other areas.

The Contractor is required to remediate any spills, and to immediately report spills (including sanitary sewer discharge) of reportable quantities to the following:

- National Response Center at (800) 424-8802
- Edwards Aquifer Authority at (210) 222-2204
- To the San Antonio Water Systems at (210) 704-7297 and one of the following:
  - State Emergency Response Center (800) 832-8224 (if after hours)
  - TCEQ Regional Office **(210) 490-3096** (if during business hours)

Spills shall be reported within 24 hours unless other regulations require more expedient notification.

### ATTACHMENT B — POTENTIAL SOURCES OF CONTAMINATION

Potential sources of contamination include the hydrocarbons and fuels required to service and operate the construction equipment, the materials and liquids used to conduct paving operations, various paints and solvents, and soil disturbed and mobilized during excavation.

### ATTACHMENT C — SEQUENCE OF MAJOR ACTIVITIES

The sequence of construction with a total area to be disturbed of 4.63 acres, are as follows:

1. Install SW3P measures.
2. Install tree protection.
3. Install low water crossing and drainage infrastructure.
4. Rough grade Trail Route.
5. Install trail and flatwork.
6. Install signage.

7. Install Landscaping.
8. Vegetate to establishment.
9. Remove SW3P measures.

## **ATTACHMENT D – TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES**

General timing or sequence for implementation of BMPs shall be as required and/or as directed/approved by the Engineer to provide adequate controls. BMPs shown on the plan sheets are considered “proposed” unless/until install date is shown.

At the beginning of the construction phase, Silt Fences, and Gravel Filtration Bags will be installed downstream of trail cross slope, and along proposed trail alignment. Rock Berms will be installed at downstream of drainage structures. Rock bedding will also be installed at construction exits. All temporary BMPs will remain until the end of construction.

Runoff generated from construction limits and through these temporary BMPs, preventing pollution of surface water, groundwater, or stormwater.

The locations of temporary BMPs are shown on the SWPPP Layout sheet. Standard details show information relevant to BMP installation and maintenance.

## **ATTACHMENT E – REQUEST TO TEMPORARILY SEAL A FEATURE**

Not applicable.

## **ATTACHMENT F – STRUCTURAL PRACTICES**

At the beginning of the construction phase, Silt Fences, and Gravel Filtration Bags will be installed downstream of trail cross slope, and along proposed trail alignment. Rock Berms will be installed at downstream of drainage structures. Rock bedding will also be installed at construction exits. All temporary BMPs will remain until the end of construction.

Runoff generated from construction limits and through these temporary BMPs, preventing pollution of surface water, groundwater, or stormwater.

## **ATTACHMENT G – DRAINAGE AREA MAP**

Attached – Drainage Area Map & Site Plan sheet.

## **ATTACHMENT H – TEMPORARY SEDIMENT POND(S) PLAN AND CALCULATIONS**

Sediment ponds are not planned for this project.

## **ATTACHMENT I – INSPECTION AND MAINTENANCE FOR BMPs**

The key to maintaining the performance of and efficiency of the temporary BMPs is inspection and repair when needed. The project will use an established schedule of inspection to identify the weak or failing sections of the sediment controls and institute repairs immediately to ensure the continued performance of the installed BMPs. BMPs will be inspected at least weekly. If storms damage the BMPs, efforts will be made to immediately restore them to original performance levels.

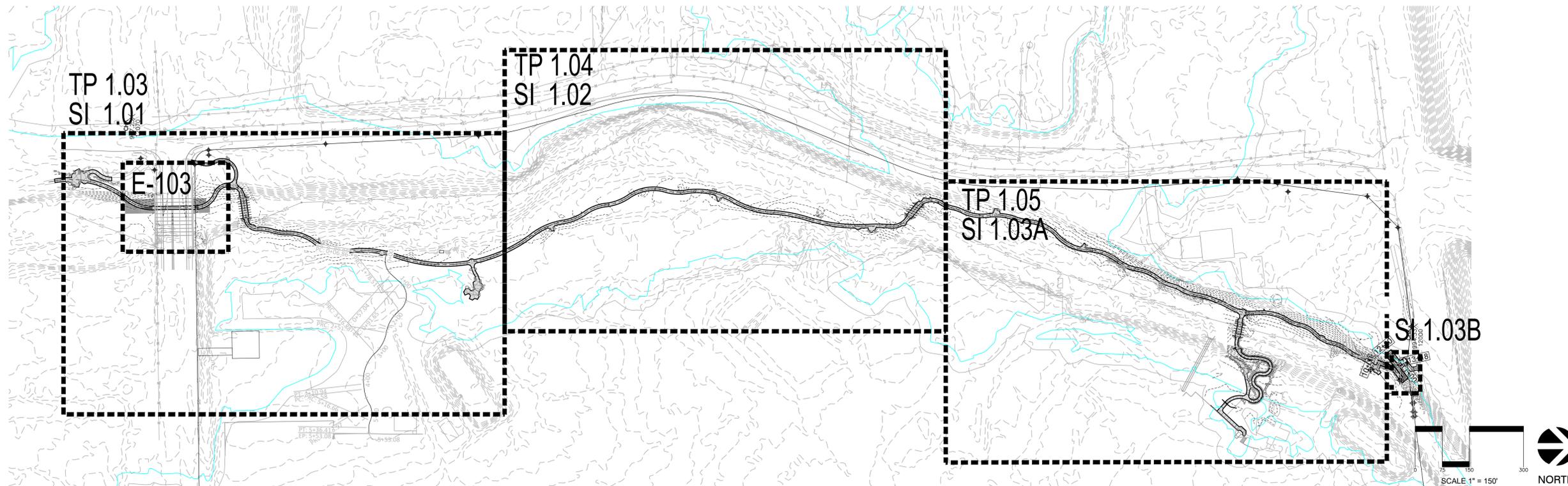
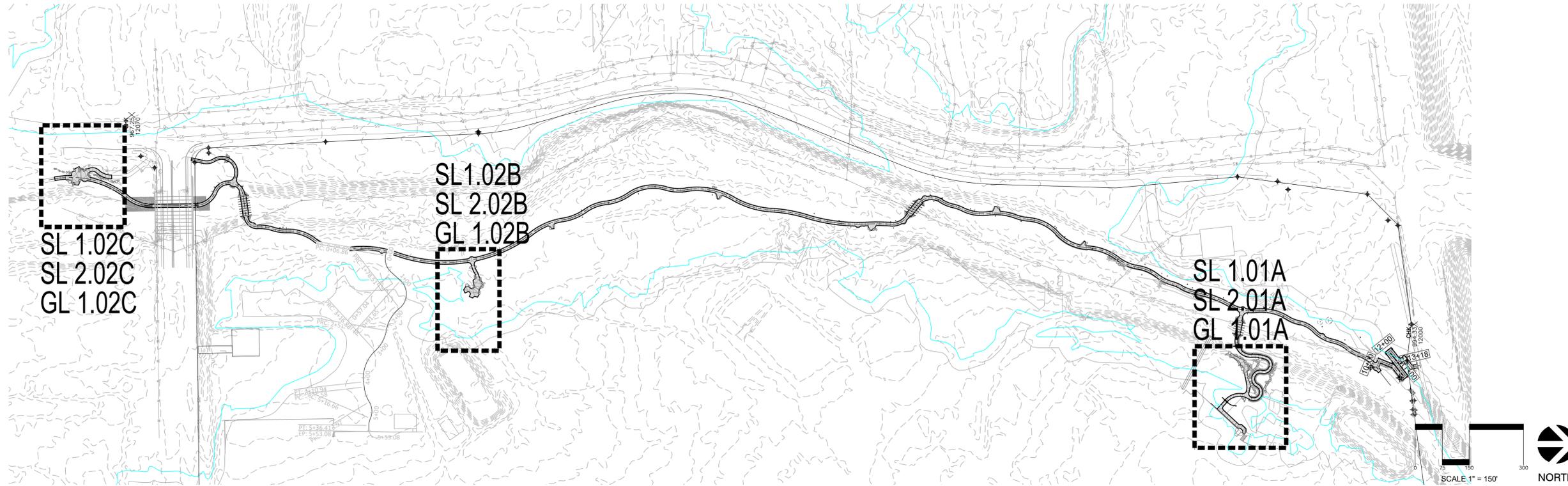
## **ATTACHMENT J – SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES**

Disturbed areas on which construction activities have ceased, temporarily or permanently, shall be stabilized within fourteen (14) calendar days unless they are scheduled to and do resume within 21 calendar days. The schedule for major soil disturbing activities includes the following:

1. Install controls down-slope of work area and initiate inspection and maintenance activities.
2. Begin construction with interim stabilization practices. Adjust erosion and sedimentation controls during construction to meet requirements and changing conditions and as directed/approved by the Engineer.
3. Major soil disturbing activities may include but are not limited to: preparation of trail alignment – including excavating 8" down for preparation of proposed trail section.

9/15/2025 5:54 PM

A:\53000a\533845\01\LA\CADD\Sheets\Overall Layout\_MCC.dwg



September 15, 2025

REVISIONS

100 NE LOOP 410, SUITE 200  
SAN ANTONIO, TEXAS 78216  
FAX: (210) 789-1895



**OVERALL SITE LAYOUTS**

**T-Core Engineers**  
84 NE Loop 410, Ste 103 • San Antonio, Texas 78216 • (210) 900-2448  
TCEP Registration No. F-18275 • www.tcore.com

**MAVERICK CREEK GREENWAY**  
UTSA BOULEVARD TO LOOP 1604  
SAN ANTONIO, TEXAS, 78249

JOB NUMBER:	23-04027
DESIGNED BY:	MZ
DRAWN BY:	RE
CHECKED BY:	MZ
DATE:	9/15/2025

SHEET:  
**OL 1.02**

7/10/2024 9:19 AM z:\Projects\15\_Maverick\_Creek\_Greenway\project\_activities\design\CAD\_SHEETS\WCG\_SWPPP+OVSRS.dwg

**SITE DESCRIPTION**

1. PROJECT NAME AND LOCATION: MAVERICK CREEK GREENWAY (UTSA BOULEVARD TO LOOP 1604). PROJECT: THE SITE IS LOCATED 2.0 MILES WEST OF THE INTERSECTION OF IH-10 WEST AND LOOP 1604, AND APPROXIMATELY 1.4 MILES SOUTH OF LOOP 1604 ALONG BARCOCK ROAD.

2. CONTACT AND PHONE NO.: SAMUEL SANCHEZ, AIA, LEAD-APP. CITY OF SAN ANTONIO 210-207-4091

3. PROJECT DESCRIPTION: THE PROJECT CONSISTS OF CONSTRUCTING 0.73 MILES OF GREENWAY TRAIL FROM UTSA BOULEVARD TO JUST SOUTH OF LOOP 1604.

4.  LINEAR ROW OR  NON-LINEAR ROW

5. POTENTIAL POLLUTANT SOURCES AT THE CONSTRUCTION PROJECT MAY INCLUDE (CHECK ALL THAT APPLY):

<input checked="" type="checkbox"/> DUST	<input type="checkbox"/> LITTER/TRASH	<input type="checkbox"/> CONTAMINATED SOILS
<input checked="" type="checkbox"/> VEHICLE FLUIDS	<input checked="" type="checkbox"/> AGGREGATE, BASE, SAND	<input type="checkbox"/> FERTILIZERS/HERBICIDES
<input type="checkbox"/> OIL AND GREASE	<input type="checkbox"/> SAND/SPOILS (DESCRIBE)	<input type="checkbox"/> CONCRETE WASHOUT
<input type="checkbox"/> VEHICLE WASH WATER	<input type="checkbox"/> OTHER CHEMICALS (DESCRIBE)	

6. MAJOR SOIL DISTURBING ACTIVITIES:

- CLEARING & GRUBBING;
- CUT AND/OR FILL FOR GREENWAY TRAIL;
- FINAL GRADING AND PLACEMENT OF TOPSOIL;
- LANDSCAPING.

TOTAL PROJECT AREA (ACRES): 4.59 MATERIAL STORAGE AREAS (ACRES): SUPPORTING ASPHALT PLANT:  
 TOTAL AREA TO BE DISTURBED: 2.1 ACRES SUPPORTING CONCRETE BATCH PLANT: SUPPORTING BARROW PIT:  
 LAYOUT YARDS: OTHER:

7. WEIGHTED RUNOFF COEFFICIENT (AFTER CONSTRUCTION):

8. EXISTING CONDITION OF SOIL, SOIL TYPE, VEGETATIVE COVER AND % OF VEGETATIVE COVER: EXISTING SITE IS APPROXIMATELY 100% VEGETATIVE COVER.

9. DESCRIPTION OF WATER DISCHARGED NOT ASSOCIATED WITH CONSTRUCTION: THE SITE LIES WITHIN THE LEON CREEK WATERSHED AND IS LOCATED WITHIN THE RECHARGE ZONE OF THE EDWARDS AQUIFER. THE SITE GENERALLY SLOPES FROM NORTH TO SOUTH AT 2%.

10. NAMES AND SEGMENT NUMBERS OF RECEIVING WATERS THAT WILL RECEIVE DISCHARGES FROM DISTURBED AREAS OF THE PROJECT: MAVERICK CREEK (UPPER LEON CREEK WATERSHED), UPPER LEON CREEK (1907).

11. IDENTIFY STORMWATER DISCHARGE POINTS: STORMWATER WILL BE DISCHARGED POST-CONSTRUCTION VIA SHEET FLOW THROUGH VEGETATIVE FILTER STRIPS INTO MAVERICK CREEK AND ULTIMATELY INTO LEON CREEK.

12. DESCRIPTION AND TIME FRAME FOR INSTALLATION OF STABILIZATION PRACTICES IN CONJUNCTION WITH CONSTRUCTION: ALL SW3P MEASURES FOR EACH RESPECTIVE PHASE SHALL BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.

**EROSION AND SEDIMENTATION CONTROLS**

1. SOIL STABILIZATION PRACTICES:

<input checked="" type="checkbox"/> HYDROMULCHING	<input checked="" type="checkbox"/> PRESERVATION OF NATURAL RESOURCES
<input type="checkbox"/> TEMPORARY SEEDING	<input type="checkbox"/> FLEXIBLE CHANNEL LINER
<input checked="" type="checkbox"/> PERMANENT PLANTING, SOODING OR SEEDING	<input type="checkbox"/> RIGID CHANNEL LINER
<input type="checkbox"/> MULCHING	<input type="checkbox"/> COMPOST MANUFACTURED TOPSOIL
<input checked="" type="checkbox"/> SOIL RETENTION BLANKET	<input type="checkbox"/> OTHER (BIO LOGS)

BUFFER ZONES:

OTHER: DISTURBED AREAS ON WHICH CONSTRUCTION ACTIVITY HAS CEASED TEMPORARILY OR PERMANENTLY, SHALL BE STABILIZED WITHIN 14 DAYS UNLESS ACTIVITIES ARE SCHEDULED TO RESUME AND DONE WITHIN 21 DAYS.

2. STRUCTURAL PRACTICES:

<input checked="" type="checkbox"/> SILT FENCES	<input type="checkbox"/> HAY BALES
<input checked="" type="checkbox"/> GRAVEL FILTRATION BAGS	<input type="checkbox"/> TIMBER MATTING AT CONSTRUCTION EXIT (STABILIZED ENTRANCE)
<input checked="" type="checkbox"/> ROCK BERMS	<input type="checkbox"/> CHANNEL LINERS
<input type="checkbox"/> DIVERSION, INTERCEPTOR OR PERIMETER DIKES	<input type="checkbox"/> DIVERSION, INTERCEPTOR OR PERIMETER SWALES
<input type="checkbox"/> DIVERSION, DIKE AND SWALE COMBINATIONS	<input type="checkbox"/> PAVED FLUMES
<input checked="" type="checkbox"/> ROCK BEDDING AT CONSTRUCTION EXIT (STABILIZED ENTRANCE)	<input type="checkbox"/> STORM INLET SEDIMENT TRAP
<input type="checkbox"/> TIMBER MATTING AT CONSTRUCTION EXIT (STABILIZED ENTRANCE)	<input type="checkbox"/> STONE OUTLET SEDIMENT STRUCTURES
<input type="checkbox"/> SEDIMENT TRAPS	<input type="checkbox"/> CURBS AND GUTTERS
<input type="checkbox"/> SEDIMENT BASINS	<input type="checkbox"/> STORM SEWERS
<input type="checkbox"/> STORM INLET SEDIMENT TRAP	<input type="checkbox"/> VELOCITY CONTROL STRUCTURES
<input type="checkbox"/> CHANNEL LINERS	<input type="checkbox"/> GEOTEXTILES

OTHER:

3. NARRATIVE - SEQUENCE OF CONSTRUCTION (STORMWATER MANAGEMENT) ACTIVITIES: INSTALL SW3P MEASURES, INSTALL TREE PROTECTION, INSTALL LOW WATER CROSSING AND DRAINAGE INFRASTRUCTURE, ROUGH GRADE TRAIL ROUTE, INSTALL TRAIL AND FLATWORK, INSTALL SIGNAGE, INSTALL LANDSCAPING, VEGETATE TO ESTABLISHMENT, REMOVE SW3P MEASURES.

4. A DESCRIPTION OF MAINTENANCE PROCEDURES FOR CONTROL MEASURES USED: SEE MAINTENANCE NOTE.

5. STORMWATER MANAGEMENT (POST CONSTRUCTION): AS PER SW3P PLANS (DURING CONSTRUCTION ACTIVITIES).

6. A DESCRIPTION OF PERMANENT STORM WATER MANAGEMENT CONTROLS: VEGETATIVE FILTER STRIPS (5.2 FEET WIDE) INSTALLED ALONG THE DOWN GRADIENT SIDE OF PROPOSED 10' WIDE TRAIL, WHERE TRAIL EXCEEDS 10' WIDE, A 15' WIDE VEGETATIVE FILTER STRIP WILL BE USED AS TREATMENT.

7. THE FOLLOWING ITEMS SHOULD BE UPDATED AS NECESSARY AND BE INCLUDED AS PART OF THE WEEKLY INSPECTION REPORTS.

SCHEDULE OF CONSTRUCTION ACTIVITIES IS MAINTAINED BY \_\_\_\_\_ AND CAN BE ACCESSED BY CONTACTING \_\_\_\_\_ (NAME) AT \_\_\_\_\_ (PHONE).

INSTALLATION OF STORMWATER CONTROL MEASURES (INSTALL DATE, OPERATIONAL DATE, DEVIATION FROM MANUFACTURE SPEC):

COMMENCEMENT AND DURATION OF EARTH WORK, FINAL GRADING, CREATION OF SOIL AND VEGETATION STOCKPILES REQUIRING STABILIZATION:

CESSATION OF CONSTRUCTION ACTIVITIES WITHIN A PORTION OF THE SITE (TEMPORARY AND PERMANENT):

FINAL AND TEMPORARY STABILIZATION AREAS OF EXPOSED SOILS:

REMOVAL OF TEMPORARY STORMWATER CHANNELS, CONTROL MEASURES, CONSTRUCTION EQUIPMENT AND VEHICLES, AND CESSATION OF ANY POLLUTANT-GENERATING ACTIVITIES:

INVENTORY OF EXPOSED MATERIALS:

LOG OF SPILLS AND LEAKS:

NOTE: SW3P NARRATIVE TO ACCOMPANY SITE MAP AND PROJECT DESIGN SHEETS THAT INCLUDE IDENTIFYING EARTH DISTURBING ACTIVITIES, EXISTING AND PROPOSED SLOPES OR GRADING ACTIVITIES, CONSTRUCTION AND SOIL STOCKPILE LOCATIONS, SURFACE WATER CROSSINGS, DESIGNATED EXIT POINTS, STRUCTURES AND IMPERVIOUS SURFACES TO BE CONSTRUCTED, CONSTRUCTION SUPPORT ACTIVITY AREAS, LOCATION OF ALL SURFACE WATERS IN VICINITY, BOUNDARIES OF NATURAL BARRIERS, AREAS OF FEDERALLY LISTED CRITICAL HABITAT, TOPOGRAPHY, VEGETATIVE COVER AND DRAINAGE PATTERNS OF FLOWS ONTO, OVER AND FROM THE PROJECT SITE, STORMWATER AND ALLOWABLE NON-STORMWATER DISCHARGE LOCATIONS, ALL STORM INLETS ON AND IN VICINITY OF THE SITE, LOCATION OF ALL POTENTIAL POLLUTANT GENERATING ACTIVITIES, AND LOCATION OF STORMWATER CONTROL MEASURES.

OCTOBER 2014  
 CITY OF SAN ANTONIO  
 PUBLIC WORKS DEPARTMENT  
 STORM WATER POLLUTION PREVENTION PLAN (SW3P) NARRATIVE

SHEET 1 OF 2

**BEST MANAGEMENT PRACTICES**

1. NATURAL BUFFER SECTION:  
 50-FOOT (OR MORE) BUFFER ZONE  
 LESS THAN 50-FOOT BUFFER ZONE  
 LINEAR CONSTRUCTION PROJECT, DOES NOT REQUIRE 50-FOOT BUFFER ZONE

2. GENERAL REQUIREMENTS:  
 1. INSTALL PERMITTED EROSION CONTROL TO REMAIN ON-SITE TO THE EXTENT PRACTICABLE WITH CONSIDERATION FOR LOCAL TOPOGRAPHY, SOIL TYPE, AND RAINFALL.  
 2. MINIMIZE SEDIMENT TRACK-OUT ONTO ADJACENT AREAS, OR OTHER PAVED AREAS AND SIDEWALKS. RESTRICT VEHICLE USE TO PROPERLY DESIGNATED ACCESS POINTS. USE APPROPRIATE STABILIZATION MEASURES TO REMOVE SEDIMENT FROM TIRES, WHEN PRACTICABLE.  
 3. CONTROL DISCHARGES FROM TRACK-OUT BY:  
 1) LOCATING PILES OUTSIDE OF NATURAL BUFFERS AND PHYSICALLY SEPARATING PILES FROM OTHER STORMWATER CONTROLS.  
 2) USE A TEMPORARY PERIMETER SEDIMENT BARRIER.  
 3) PROVIDE COVER OR TEMPORARY STABILIZATION, WHERE PRACTICABLE.  
 4) USE DRY CLEAN METHODS TO REMOVE ACCUMULATED SEDIMENT FROM PAVED AREAS.  
 5) PROTECT FROM WIND WHERE FEASIBLE.  
 6. MINIMIZE OUTFLOW THROUGH THE APPROPRIATE APPLICATION OF WATER.  
 7. MINIMIZE SLOPE STEEPNESS OF EXPOSED SOILS THROUGH PHASED DISTURBANCE AND IMPLEMENTATION OF BMPs.  
 8. MINIMIZE SOIL COMPACTION IN AREAS WHERE VEGETATION IS PLANNED BY RESTRICTING VEHICLE USE AND CONDITION SOIL PRIOR TO RE-VEGETATION.  
 9. PROTECT STORM DRAIN INLETS FROM TOPOGRAPHIC LAND DISTURBANCE.

3. SEDIMENTATION BASINS:  
 SEDIMENTATION BASINS (CHECK ALL THAT APPLY):  
 DRAINAGE AREA > 10 ACRES (SEDIMENTATION BASIN DESIGN ON SHEET \_\_\_\_\_)  
 DRAINAGE AREA > 10 ACRES (SEDIMENTATION BASIN INFEASIBLE; ALTERNATE EQUIVALENT CONTROL DESIGN ON SHEET \_\_\_\_\_)  
 DRAINAGE AREA > 10 ACRES (SEPERATE TRAPS AND BASINS)  
 DRAINAGE AREA > 10 ACRES (PERIMETER CONTROLS)

4. DEWATERING PRACTICES:  
 1. DO NOT DISCHARGE VISIBLE FLOATING SOLIDS OR FOAM USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICE THAT IS DESIGNED TO REMOVE OIL, GREASE, OR OTHER PRODUCTS IF DEWATERING WATER IS FOUND TO CONTAIN THESE MATERIALS.  
 2. UTILIZE VEGETATED UPLAND AREAS OF THE SITE TO INFILTRATE DEWATERING WATER BEFORE DISCHARGE, WHERE FEASIBLE.  
 3. DISCHARGE DEWATERING WATER ONTO A VELOCITY DISPERSION DEVICE.  
 4. MANAGE BLACKWASH WATER AS A WASTE OR RETURN IT TO THE BEGINNING OF THE TREATMENT PROCESS.  
 5. REPLACE AND CLEAN FILTER MEDIA USED IN DEWATERING DEVICE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.  
 6. DO NOT USE TREATMENT CHEMICALS WITHOUT PRIOR WRITTEN CONSENT FROM COSA. A WRITTEN MANAGEMENT PLAN IS REQUIRED FOR USE OF TREATMENT CHEMICALS.

5. NON-STORMWATER DISCHARGES:  
 THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED FOR DISCHARGE BY THE GENERAL PERMIT. PROJECT SITE BMPs MUST REFLECT THE LOCATION OF ANY NON-STORMWATER DISCHARGES. NON-STORMWATER DISCHARGES MUST BE MANAGED BY STORMWATER BMPs TO PROTECT RECEIVING WATER QUALITY.  
 1. DISCHARGES FROM FIRE FIGHTING ACTIVITIES AND/OR FIRE HYDRANT FLUSHING.  
 2. VEHICLE, EXTERNAL BUILDING, AND PAVEMENT WASH WATER, WAXES, DETERGENTS AND SOAPS ARE NOT USED AND WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIAL HAS BEEN REMOVED).  
 3. PLAIN WATER USED TO CONTROL DUST.  
 4. PLAIN WATER ORIGINATING FROM POTABLE WATER SOURCES.  
 5. UNCONTAMINATED GROUNDWATER, SPRING WATER, OR ACCUMULATED STORMWATER.  
 6. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS.  
 7. UNCONTAMINATED AIR CONDITIONING CONDENSATE.  
 8. LAWN WATERING AND SIMILAR DRAINAGE.  
 9. OTHER.

6. PROHIBITED STORMWATER DISCHARGES:  
 1. WASTEWATER FROM WASH OUT OF CONCRETE TRUCKS.  
 2. WASTEWATER FROM WASH OUT OF STYCCO, PAINT, FORM RELEASE OILS, CUTTING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS.  
 3. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATIONS AND MAINTENANCE.  
 4. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.  
 NOTE: DO NOT USE TREATMENT CHEMICALS WITHOUT PRIOR WRITTEN CONSENT FROM COSA. A WRITTEN MANAGEMENT PLAN IS REQUIRED FOR USE OF TREATMENT CHEMICALS.  
 5. CONCRETE TRUCK WASH WATER DISCHARGES ON THE SITE SHOULD BE PROHIBITED OR MINIMIZED IF ALLOWED BY THE ENGINEER. THEY MUST BE MANAGED IN A MANNER SO AS NOT TO CONTAMINATE SURFACE WATER. THEY MUST NOT BE LOCATED IN AREAS OF CONCENTRATED FLOW. CONCRETE TRUCK WASH-OUT LOCATIONS MUST BE SHOWN ON THE SW3P AND INCLUDED IN THE INSPECTIONS. HAZARDOUS MATERIAL SPILLAGE SHALL BE PREVENTED OR MINIMIZED AT A MINIMUM. THIS INCLUDES ASPHALT PRODUCTS, FUELS, OILS, LUBRICANTS, SOLVENTS, PAINTS, ACIDS, CONCRETE CURING COMPOUNDS, AND CHEMICAL ADDITIVES FOR SOIL STABILIZATION. BMPs SHALL BE IMPLEMENTED TO THE STORAGE OF THESE PRODUCTS. ALL SPILLS MUST BE CLEANED AND DISPOSED PROPERLY AND REPORTED TO THE ENGINEER. REPORT ANY RELEASE AT OR ABOVE THE REPORTABLE QUANTITY DURING A 24 HOUR PERIOD TO THE NATIONAL RESPONSE CENTER AT 1-800-424-8802.

8. MATERIAL MANAGEMENT PRACTICES:  
 CONTRACTOR MUST MAINTAIN AN INVENTORY OF CONSTRUCTION AND WASTE MATERIALS EXPECTED TO BE STORED ON-SITE AND A DESCRIPTION OF CONTROLS IMPLEMENTED TO MINIMIZE POLLUTANTS FROM THESE SOURCES.

9. COMPLIANCE WITH APPROVED STATE AND LOCAL PLANS:  
 THIS SW3P SHALL CONFORM TO APPLICABLE LOCAL RULES AND REGULATIONS FOR WATER QUALITY, INCLUDING BUT NOT LIMITED TO THOSE ESTABLISHED BY COSA, SAWS, BEXAR COUNTY, ESA, OR OTHERS, AS APPLICABLE.

**OTHER REQUIREMENTS AND PRACTICES**

1. MAINTENANCE:  
 ALL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT SHALL BE PERFORMED BY CLOSE OF THE NEXT DAY FOLLOWING DISCOVERY. RECOMMENDATIONS FOR NEW BMPs OR SIGNIFICANT REPAIRS TO EXISTING BMPs MADE BY INSPECTORS OF THIS SW3P OR BY THE EPA WILL BE INSTALLED WITHIN SEVEN (7) CALENDAR DAYS FROM THE DATE OF INSPECTION OR PRIOR TO THE NEXT RAIN EVENT, WHICHEVER IS SOONER. CORRECTIVE ACTIONS, SUCH AS TEMPORARY BMPs, SHALL BE IMMEDIATELY TAKEN IN THE EVENT THAT A DISCHARGE OF POLLUTANTS IS DISCOVERED TO MINIMIZE OR PREVENT FURTHER DISCHARGE UNTIL A PERMANENT SOLUTION IS INSTALLED. WHEN CORRECTIVE ACTIONS RESULT IN CHANGES TO STORMWATER CONTROLS OR PROCEDURES, AMEND THE SW3P.

2. INSPECTIONS:  
 FOR AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR STORAGE OF MATERIALS, STRUCTURAL CONTROL MEASURES, AND LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE.

3. WASTE MATERIALS:  
 ALL NON-HAZARDOUS MUNICIPAL WASTE MATERIALS SUCH AS LITTER, RUBBER, AND GARBAGE LOCATED ON OR ORIGINATING FROM THE PROJECT SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER PROVIDED BY THE CONTRACTOR. THE DUMPSTER SHALL BE EMPTIED AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION AND THE TRASH SHALL BE HAULLED TO A PERMITTED DISPOSAL FACILITY. THE BURYING OF NON-HAZARDOUS MUNICIPAL WASTE ON THE PROJECT SHALL NOT BE PERMITTED. CONSTRUCTION MATERIALS WASTE SITES, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED TO MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS. CONSTRUCTION MATERIALS WASTE SITES SHALL NOT BE LOCATED IN ANY WETLAND, WATER BODY, OR STREAM BED. CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS.

4. OFFSITE VEHICLE TRACKING:  
 OFFSITE VEHICLE TRACKING OF SEDIMENT AND THE GENERATION OF DUST MUST BE MINIMIZED. EXCESS SEDIMENTS ON ROAD SHALL BE REMOVED ON A REGULAR BASIS AS DIRECTED/PROVED BY THE ENGINEER.

5. SUPPORTING CONCRETE BATCH PLANTS:  
 THE CONTRACTOR SHOULD DEVELOP A SEPARATE SW3P FOR OPERATIONS ASSOCIATED WITH A SUPPORTING CONCRETE BATCH PLANT IN CONFORMANCE WITH THE TCEQ'S BEST MANAGEMENT PRACTICES PART 1 RELATING TO STORMWATER RUNOFF FROM CONCRETE BATCH PLANTS. THIS SW3P DOES NOT PROVIDE ADEQUATE CONTROLS FOR THIS ACTIVITY.

6. SANITARY WASTE:  
 PORT-A-POTS (LOCATED OUTSIDE OF FLOODPLAIN)

7. OFFSITE EXCAVATION SOURCE LOCATION:  
 CONTRACTOR TO REMOVE AND PLACE SPILLS DAILY.

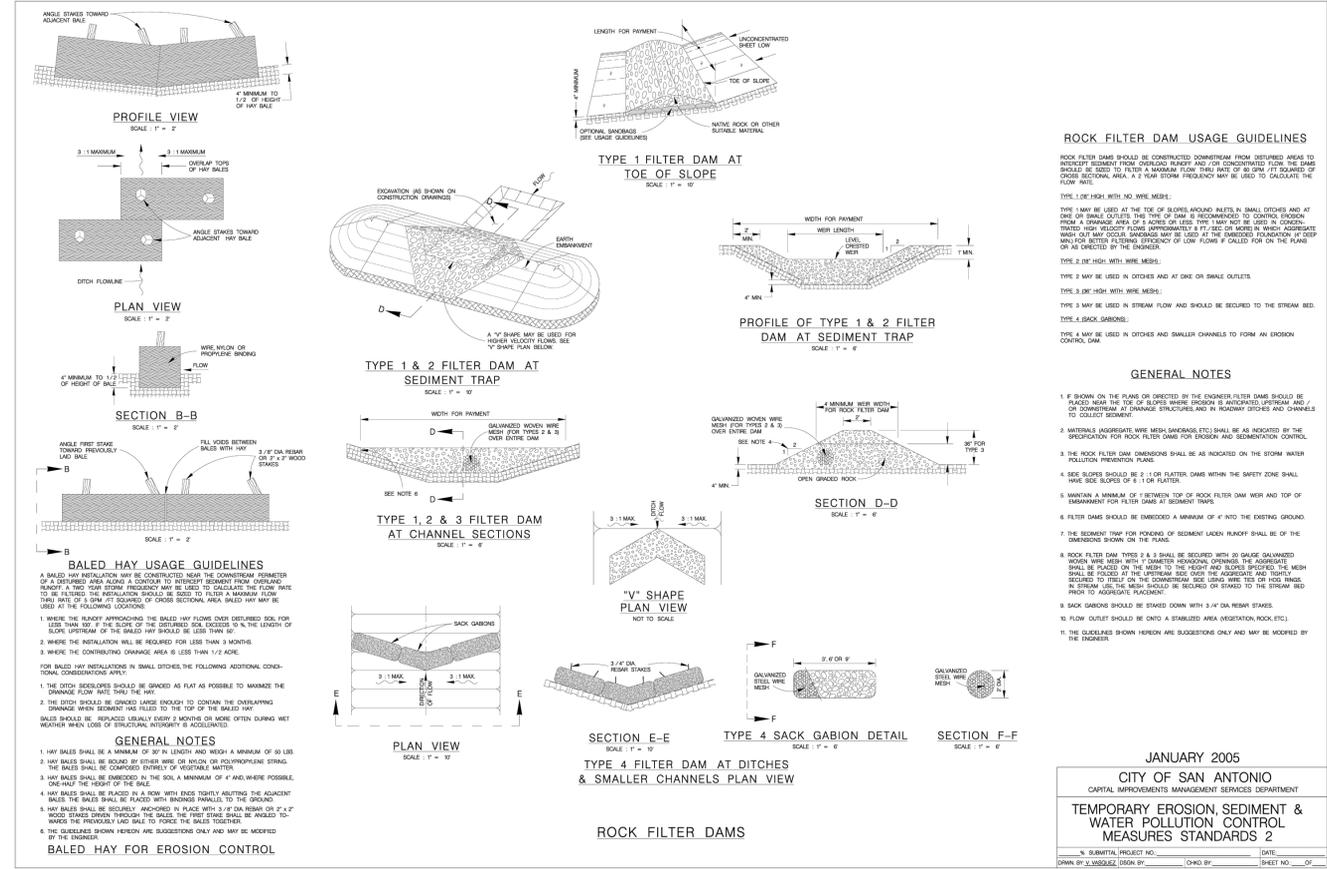
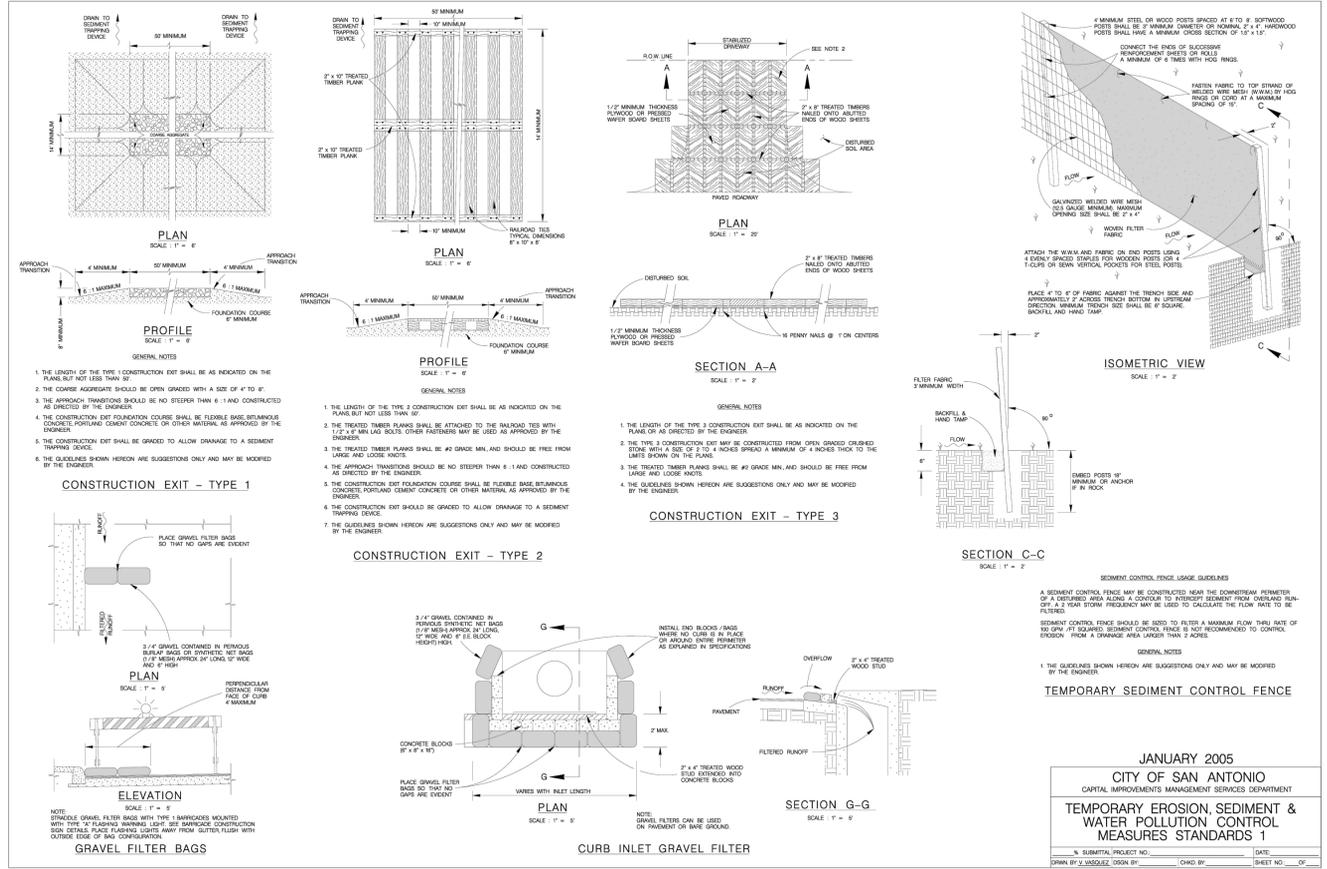
8. OFFSITE FILL SOURCE LOCATION:  
 CONTRACTOR TO REMOVE AND PLACE SPILLS DAILY.

9. GENERAL NOTES:  
 1. THE CONTROL MEASURES CONTAINED HEREON (AND IS FURTHER DESCRIBED BY THE STANDARD SPECIFICATIONS) SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT TO ASSURE EFFECTIVE AND CONTINUOUS WATER POLLUTION CONTROL DURING CONSTRUCTION AND POST CONSTRUCTION (SEE SPEC ITEM 585).  
 2. THE CONTRACTOR SHALL CLEAN PAVED SURFACES ADJACENT TO THE CONSTRUCTION AREAS AS NECESSARY TO REMOVE SEDIMENT WHICH HAS ACCUMULATED ON THE ROADWAY DUE TO STORMWATER FLOWS AND VEHICULAR TRAFFIC THROUGH AND ACROSS THE CONSTRUCTION SITE (SEE SPEC ITEM 585).  
 3. IN CASE OF FAILURE ON THE PART OF THE CONTRACTOR TO PREVENT AND CONTROL SOIL, EROSION, SEDIMENTATION AND WATER POLLUTION WHICH MAY DEGRADATE RECEIVING WATERS, THE ENGINEER RESERVES THE RIGHT TO EMPLOY OUTSIDE ASSISTANCE OR USE CITY FORCES TO PROVIDE THE NECESSARY CORRECTIVE MEASURES. ALL COSTS (INCLUDING ENGINEERING) SHALL BE DEDUCTED FROM ANY MONIES DUE TO OR BECOME DUE TO THE CONTRACT (SEE SPEC ITEM 545).  
 4. UPON COMPLETION OF CONSTRUCTION AND INSTALLATION OF PERMANENT EROSION CONTROL METHODS, A FINAL EROSION CONTROL INSPECTION WILL BE PERFORMED AS A PART OF ACCEPTANCE OF THE PROJECT BY THE CITY. IN THE EVENT THAT THE PERMANENT EROSION CONTROL IS INADEQUATE DUE TO IMPROPER DESIGN OR INSTALLATION, THE PERMANENT EROSION CONTROL MEASURES MUST BE CORRECTED OR REDESIGNED TO FUNCTION PROPERLY PRIOR TO SUBMITTAL OF A NOTICE OF TERMINATION (SEE SPEC ITEM 545).  
 5. THE CONTRACTOR SHALL PROVIDE SAVES AND COSA TO COPY OF REVISED DRAWINGS INDICATING THE LOCATIONS OF POTENTIAL POLLUTANT SOURCES (E.G. CONCRETE WASH-OUT AREAS, CONSTRUCTION MATERIALS STAGING AREAS, SUPPORTING CONSTRUCTION ACTIVITIES, ETC.) TWO WEEKS PRIOR TO THE CONTRACTOR INITIATING THE CHANGE.  
 6. CONSTRUCTION ACTIVITIES OCCURRING OVER THE EDWARDS AQUIFER RECHARGE ZONE, CONTRIBUTING ZONE, AND/OR TRANSITION ZONE MUST COMPLY WITH ADDITIONAL REQUIREMENTS OF THE PROTECTION OF WATER QUALITY ESTABLISHED BY THE TCEQ (36 TAC CHAPTER 231 AND THE EDWARDS AQUIFER AUTHORITY (EAA)).

OCTOBER 2014  
 CITY OF SAN ANTONIO  
 PUBLIC WORKS DEPARTMENT  
 STORM WATER POLLUTION PREVENTION PLAN (SW3P) NARRATIVE

SHEET 2 OF 2

REMARKS:  
 DISPOSAL AREAS STOCKPILES AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT ENTERS RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WETLAND, BODY OF WATER, STREAMBED, OR FLOODPLAIN. CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS. ALL WATERWAYS SHALL BE CLEARED AS SOON AS POSSIBLE OF TEMPORARY EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSEWORK, PLUNG DEBRIS, OR OTHER OBSTRUCTION PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT PART OF THE FINISHED WORK.



STATE OF TEXAS  
 JEFFREY C. TYLER  
 LICENSED PROFESSIONAL ENGINEER  
 106359  
 7/10/2024

100% CONSTRUCTION DOCUMENTS

SP 1.01

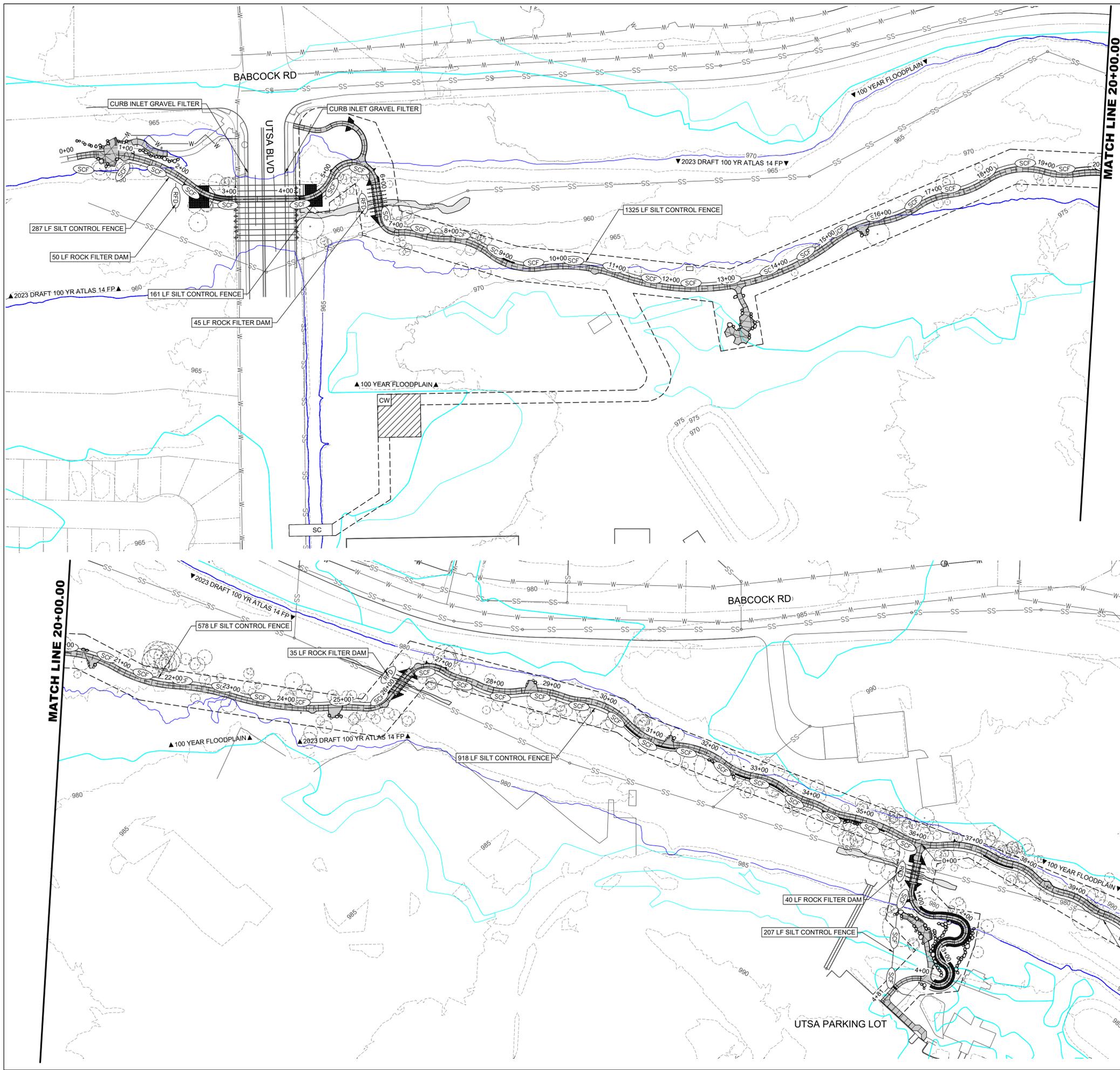
SWPPP NOTES AND DETAILS

T-Core Engineers  
 64 NE Loop 410, Ste 104 • San Antonio, Texas 78216 • 210.900.2448  
 TCEP Registration No. F-18275 • www.tcore.com

JOB NUMBER: 23-04027  
 DESIGNED BY: JT  
 DRAWN BY: CT  
 CHECKED BY: JT  
 DATE: 7/10/2024  
 SHEET: SP 1.01

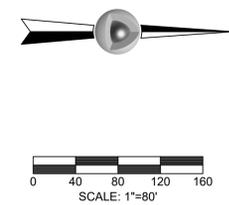
9/17/2025 12:24 PM

Z:\Projects\15\_Maverick Creek Greenway\project\_activities\_design\CAD\_SHEETS\WCG\_SWPPP+OVR.dwg



MATCH LINE 20+00.00

MATCH LINE 20+00.00



**LEGEND**

- =PROPOSED TRAIL
- =EXISTING MAJOR CONTOUR
- =EXISTING MINOR CONTOUR
- =TEMPORARY CONSTRUCTION LIMITS
- =EXISTING SANITARY SEWER
- =EXISTING WATER
- =PROPOSED WATER
- =PROPOSED SILT CONTROL FENCE
- =PROPOSED ROCK FILTER DAM
- =100 YEAR FLOODPLAIN
- =2023 DRAFT 100 YR ATLAS 14 FP
- SC =CONSTRUCTION ENTRANCE/EXIT
- =STAGING AREA
- =CONCRETE WASHOUT

**NOTES:**

1. CONSTRUCTION ENTRANCE/EXIT SHALL BE TYPE 1 (SEE SP 1.01).
2. SILT FENCE SHALL UTILIZE STEEL POSTS (SEE SP 1.01).
3. ROCK FILTER DAMS SHALL BE TYPE 3 (SEE SP 1.01).

REVISIONS

JEFFREY C. TYLER  
106359  
PROFESSIONAL ENGINEER  
STATE OF TEXAS

*JCT*

9/17/2025

SUBMITTAL: 100% CONSTRUCTION DOCUMENTS

**SWPPP LAYOUT**

**T-Core Engineers**  
84 NE Loop 410, Ste 104 • San Antonio, Texas 78216 • 210.900.2448  
 TCEP Registration No. F-18275 • www.tcore.com

**MAVERICK CREEK GREENWAY**  
 UTSA BOULEVARD TO LOOP 1604  
 SAN ANTONIO, TEXAS, 78249

JOB NUMBER:	23-04027
DESIGNED BY:	JT
DRAWN BY:	CT
CHECKED BY:	JT
DATE:	9/17/2025
SHEET:	SP 1.02

# 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: Luis Cardona, P.E.

Date: 11/3/25

Signature of Customer/Agent



---

Regulated Entity Name: COSA Greenway Trail System Maverick Creek

## Permanent Best Management Practices (BMPs)

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

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

A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is: \_\_\_\_\_

N/A

3.  Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.

N/A

4. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

The site will be used for low density single-family residential development and has 20% or less impervious cover.

The site will be used for low density single-family residential development but has more than 20% impervious cover.

The site will not be used for low density single-family residential development.

5. The executive director may waive the requirement for other permanent BMPs for multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

**Attachment A - 20% or Less Impervious Cover Waiver.** The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.

The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.

The site will not be used for multi-family residential developments, schools, or small business sites.

6.  **Attachment B - BMPs for Upgradient Stormwater.**

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

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

### ***Responsibility for Maintenance of Permanent BMP(s)***

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

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

## FORM TCEQ-0600 ATTACHMENTS

### ATTACHMENT A — 20% OR LESS IMPERVIOUS COVER WAIVER

Although this site has more than 20% impervious cover at 28%, it is offset by the installation of vegetative filter strips along the site in accordance with TCEQ technical requirements.

### ATTACHMENT B — BMPS FOR UPGRADIENT STORMWATER

Not Applicable.

### ATTACHMENT C — BMPS FOR ON-SITE STORMWATER

Implementation of vegetated filter strips for improvements of Maverick Creek Greenway Trail will treat low velocity sheet flow for areas that do not exceed 20% slope. As described in RG-348.

Per the Proposed Revision to the Technical Guidance Manual related to the Technical Guidance Manual related to the Shared Use Paths memorandum. All vegetated filter strips are designed to be 5.2' wide for 10' wide shared paths and 15' wide for sections that exceed 10'.

### ATTACHMENT D – BMPS FOR SURFACE STREAMS

Implementation of vegetated filter strips for improvements of Maverick Creek Greenway Trail will treat low velocity sheet flow for areas that do not exceed 20% slope. As described in RG-348.

Per the Proposed Revision to the Technical Guidance Manual related to the Technical Guidance Manual related to the Shared Use Paths memorandum. All vegetated filter strips are designed to be 5.2' wide for 10' wide shared paths and 15' wide for sections that exceed 10'.

### ATTACHMENT E – REQUEST TO SEAL FEATURES

Not Applicable.

### ATTACHMENT F – CONSTRUCTION PLANS

See Exhibits EL 1.01, 1.02, 1.03

### ATTACHMENT G – INSPECTION, MAINTENANCE, REPAIR & RETROFIT PLAN

Attached following this section.

## **ATTACHMENT H – PILOT-SCALE TESTING PLAN**

Not Applicable.

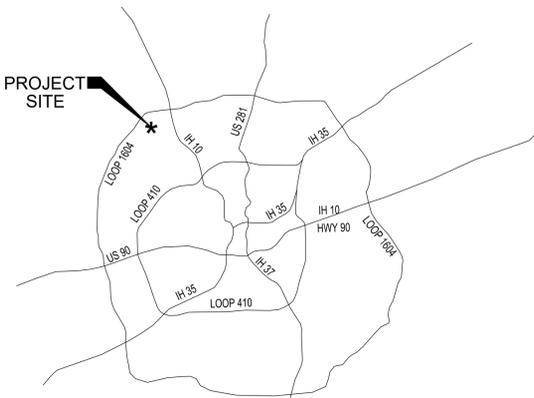
## **ATTACHMENT I – MEASURES FOR MINIMIZING SURFACE STREAM CONTAMINATION**

Implementation of vegetated filter strips for improvements of Maverick Creek Greenway Trail will treat low velocity sheet flow for areas that do not exceed 20% slope. As described in RG-348.

Per the Proposed Revision to the Technical Guidance Manual related to the Technical Guidance Manual related to the Shared Use Paths memorandum. All vegetated filter strips are designed to be 5.2' wide for 10' wide shared paths and 15' wide for sections that exceed 10'.



PROJECT SITE



LOCATION MAP  
SCALE/NOT TO SCALE

Maverick Creek Trail Site Info.		
Impervious Area	Existing (AC)	Proposed (AC)
Paved Trail	0	1.31
Total		1.31
Impervious Cover	0	1.31

Maverick Creek Trail BMP Info.								
Impervious Area	Drainage Area (AC)	Impervious Area (AC)	Req TSS removal (lbs)	Treatment	Type of treatment	Efficiency	IMP treated (AC)	Max. TSS removal (lbs)
Paved Node (5.2')	-	0.53	-	Yes	Vegetated Filter Strips (5.2')	80%	0.53	493
Paved Node (7.3')	-	0.16	-	Yes	Vegetated Filter Strips (7.3')	80%	0.16	191
Paved Node (15')	-	0.51	-	Yes	Vegetated Filter Strips (15')	85%	0.51	507
Untreated Area	-	0.11	-	No	N/A	N/A	0	0
Total	4.63	1.31	1069				1.2	1191

**BMP - VEGETATED FILTER STRIPS**  
Vegetated filter strips will be implemented along the entire downstream of paved trail with no more than 20% slope. The filter strips must be a engineered vegetative filter strip and a minimum of 7.3 feet wide to achieve 80% TSS removal rate.

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

RG-348 Page 3-33 Equation 3.7:  $LR = (BMP \text{ efficiency}) \times P \times (AI \times 34.6 + A)$

where: AC = Total On-Site drainage area in the BMP catchment  
AI = Impervious area proposed in the BMP catchment  
AP = Pervious area remaining in the BMP catchment  
LR = TSS Load removed from this catchment area

AC = 4.63 acres  
AI = 0.16 acres  
AP = 4.47 acres  
LR = 191 lbs

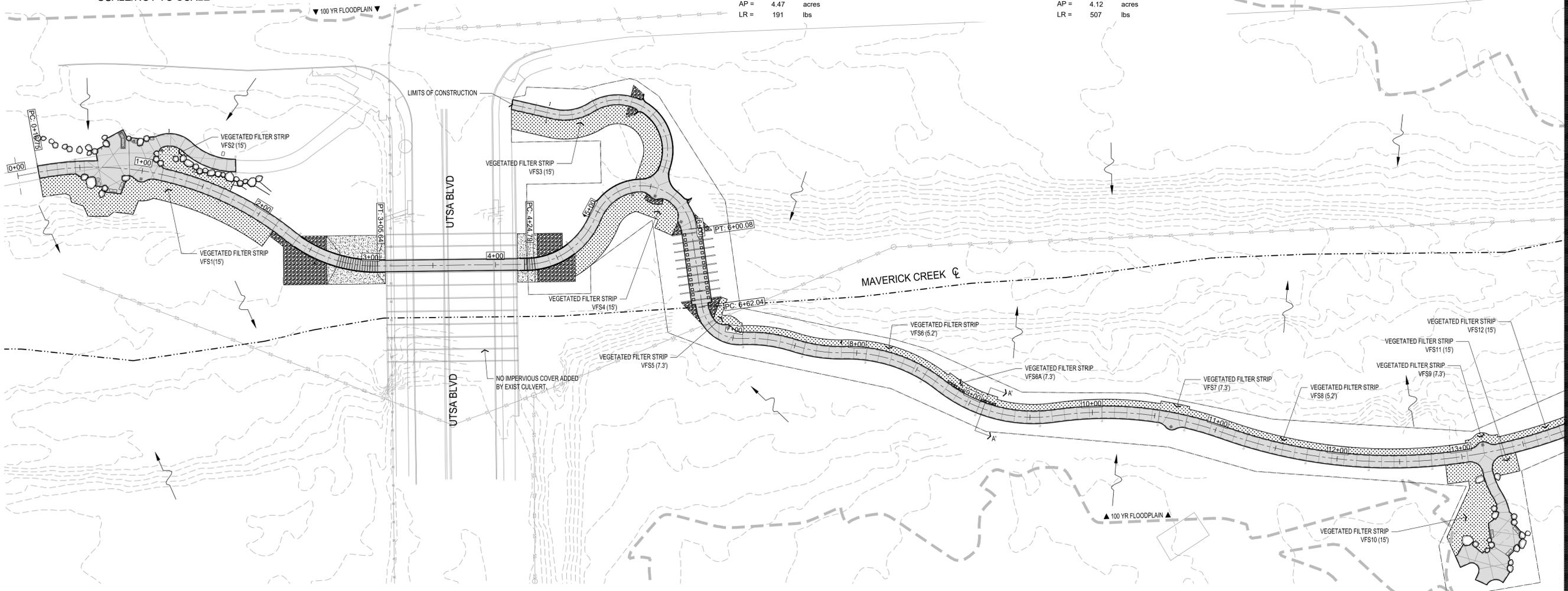
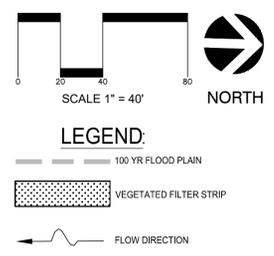
**BMP - VEGETATED FILTER STRIPS**  
Vegetated filter strips will be implemented along the entire downstream of paved trail with no more than 20% slope. The filter strips must be a engineered vegetative filter strip and a minimum of 15 feet wide to achieve 85% TSS removal rate.

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

RG-348 Page 3-33 Equation 3.7:  $LR = (BMP \text{ efficiency}) \times P \times (AI \times 34.6 + A)$

where: AC = Total On-Site drainage area in the BMP catchment  
AI = Impervious area proposed in the BMP catchment  
AP = Pervious area remaining in the BMP catchment  
LR = TSS Load removed from this catchment area

AC = 4.63 acres  
AI = 0.51 acres  
AP = 4.12 acres  
LR = 507 lbs



MAVERICK CREEK GREENWAY BMP INFO

1. The Required Load Reduction for the total project: Calculations from RG-348  
Page 3-29 Equation 3.3:  $LM = 27.2(AN \times P)$

where: LM TOTAL PROJECT = Required TSS removal resulting from the prop  
AN = Net increase in impervious area for the prop  
P = Average annual precipitation, inches

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

County =	Bexar
Total project area included in plan *	4.63 acres
Predevelopment impervious area within the limits of the plan *	0.00 acres
Total post-development impervious area within the limits of the plan *	1.31 acres
Total post-development impervious cover fraction *	0.28
P	30 inches

LM TOTAL PROJECT = 1069 lbs.

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

Number of drainage basins / outfalls areas leaving the plan area = 1

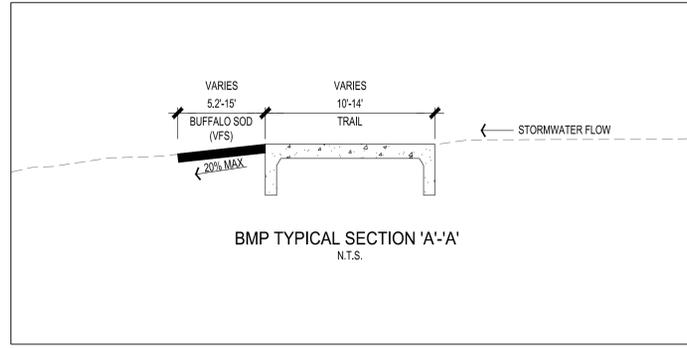
**BMP - VEGETATED FILTER STRIPS**  
Vegetated filter strips will be implemented along the entire downstream of paved trail with no more than 20% slope. The filter strips must be a engineered vegetative filter strip and a minimum of 5.2 feet wide to achieve 80% TSS removal rate.

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

RG-348 Page 3-33 Equation 3.7:  $LR = (BMP \text{ efficiency}) \times P \times (AI \times 34.6 + A)$

where: AC = Total On-Site drainage area in the BMP catchment  
AI = Impervious area proposed in the BMP catchment  
AP = Pervious area remaining in the BMP catchment  
LR = TSS Load removed from this catchment area

AC = 4.63 acres  
AI = 0.53 acres  
AP = 4.10 acres  
LR = 493 lbs



ENVIRONMENTAL LAYOUT

T-Core Engineers  
84 NE Loop 410, Ste 104 • San Antonio, Texas 78216 • 210.900.2448  
TXPE Registration No. F-18275 • www.tcore.com

MAVERICK CREEK GREENWAY  
UTSA BOULEVARD TO LOOP 1604  
SAN ANTONIO, TEXAS, 78249



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY LUIS A. CARDONA, PE# 139673 ON 9-15-2024. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF 100 NE INTERSTATE 410 LOOP, SUITE 701, SAN ANTONIO, TEXAS 78216. TBPELS FIRM #F-312.

JOB NUMBER:	23-04027
DESIGNED BY:	JR
DRAWN BY:	JR
CHECKED BY:	LAC
DATE:	9/15/2025

SHEET: EL 1.01

A: \\s3000s\53845\001\PW\CADD\Sheets\Env Layout\_MCC.dwg 9/15/2025 7:22 PM



**BMP - VEGETATED FILTER STRIPS**

Vegetated filter strips will be implemented along the entire downstream of paved trail with no more than 20% slope. The filter strips must be a engineered vegetative filter strip and a minimum of 7.3 feet wide to achieve 80% TSS removal rate.

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

RG-348 Page 3-33 Equation 3.7:  $LR = (BMP \text{ efficiency}) \times P \times (AI \times 34.6 + A)$

where: AC = Total On-Site drainage area in the BMP catchment  
AI = Impervious area proposed in the BMP catchment  
AP = Pervious area remaining in the BMP catchment  
LR = TSS Load removed from this catchment area

AC = 4.63 acres  
AI = 0.16 acres  
AP = 4.47 acres  
LR = 191 lbs

Maverick Creek Trail Site Info.		
Impervious Area	Existing (AC)	Proposed (AC)
Paved Trail	0	1.31
Total	0	1.31
Impervious Cover	0	1.31

Maverick Creek Trail BMP Info.								
Impervious Area	Drainage Area (AC)	Impervious Area (AC)	Req TSS removal (lbs)	Treatment	Type of treatment	Efficiency	IMP treated (AC)	Max. TSS removal (lbs)
Paved Node (5.2')	-	0.53	-	- Yes	Vegetated Filter Strips (5.2')	80%	0.53	493
Paved Node (7.3')	-	0.16	-	- Yes	Vegetated Filter Strips (7.3')	80%	0.16	191
Paved Node (15')	-	0.51	-	- Yes	Vegetated Filter Strips (15')	85%	0.51	507
Untreated Area	-	0.11	-	- No	N/A	N/A	0	0
Total	4.63	1.31	1069				1.2	1191

**BMP - VEGETATED FILTER STRIPS**

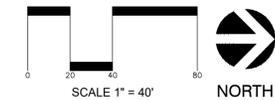
Vegetated filter strips will be implemented along the entire downstream of paved trail with no more than 20% slope. The filter strips must be a engineered vegetative filter strip and a minimum of 15 feet wide to achieve 85% TSS removal rate.

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

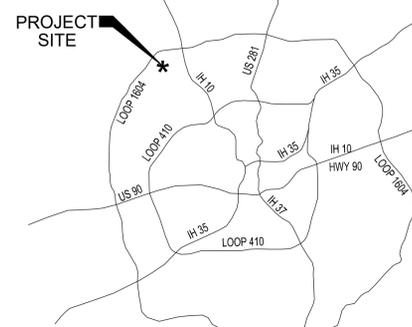
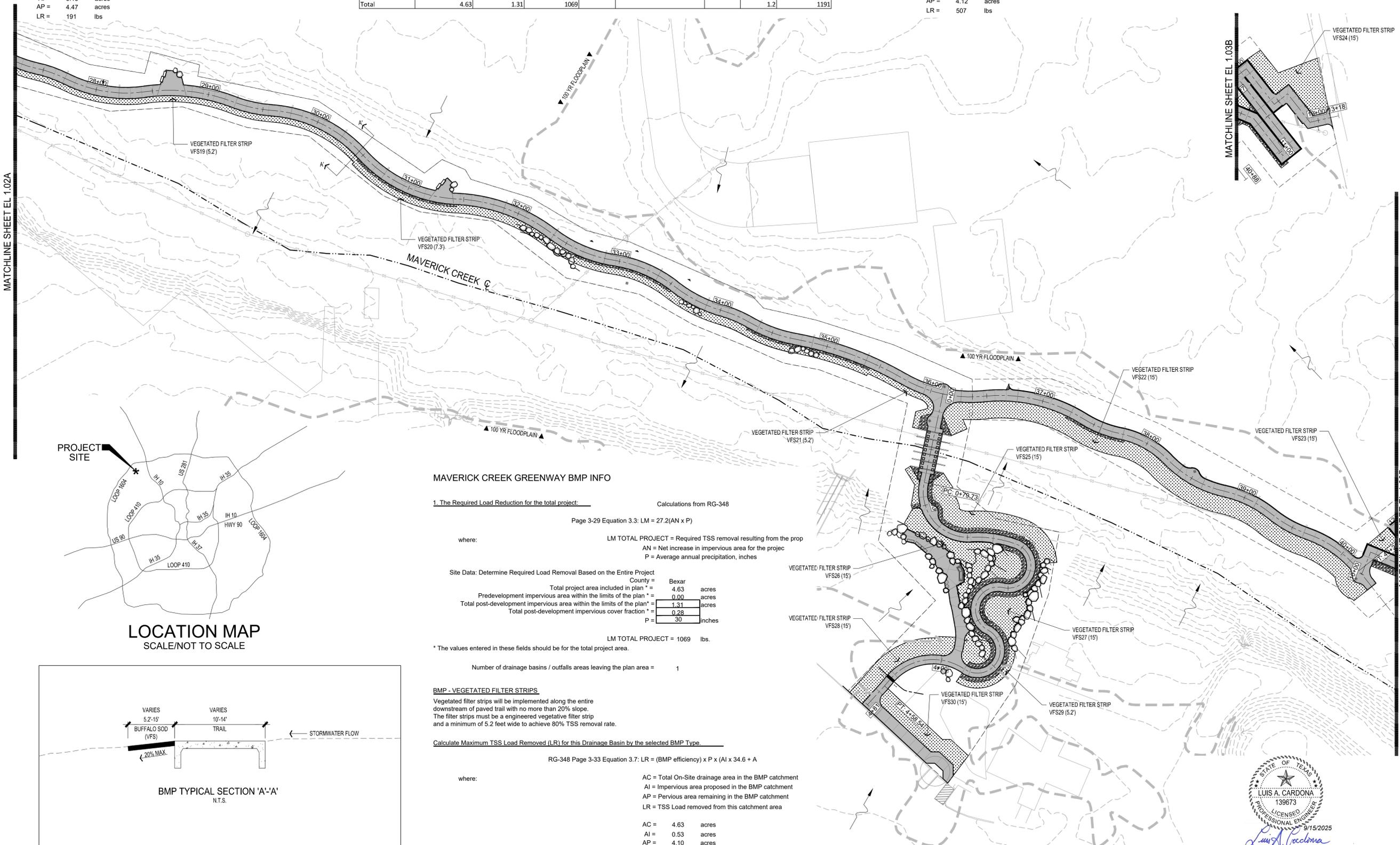
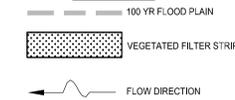
RG-348 Page 3-33 Equation 3.7:  $LR = (BMP \text{ efficiency}) \times P \times (AI \times 34.6 + A)$

where: AC = Total On-Site drainage area in the BMP catchment  
AI = Impervious area proposed in the BMP catchment  
AP = Pervious area remaining in the BMP catchment  
LR = TSS Load removed from this catchment area

AC = 4.63 acres  
AI = 0.51 acres  
AP = 4.12 acres  
LR = 507 lbs



**LEGEND:**



**LOCATION MAP**  
SCALE/NOT TO SCALE

**MAVERICK CREEK GREENWAY BMP INFO**

1. The Required Load Reduction for the total project: Calculations from RG-348  
Page 3-29 Equation 3.3:  $LM = 27.2(AN \times P)$

where: LM TOTAL PROJECT = Required TSS removal resulting from the prop  
AN = Net increase in impervious area for the projec  
P = Average annual precipitation, inches

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

County =	Bexar	
Total project area included in plan *	4.63	acres
Predevelopment impervious area within the limits of the plan *	0.00	acres
Total post-development impervious area within the limits of the plan *	1.31	acres
Total post-development impervious cover fraction *	0.28	
P =	30	inches

LM TOTAL PROJECT = 1069 lbs.

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

Number of drainage basins / outfalls areas leaving the plan area = 1

**BMP - VEGETATED FILTER STRIPS**

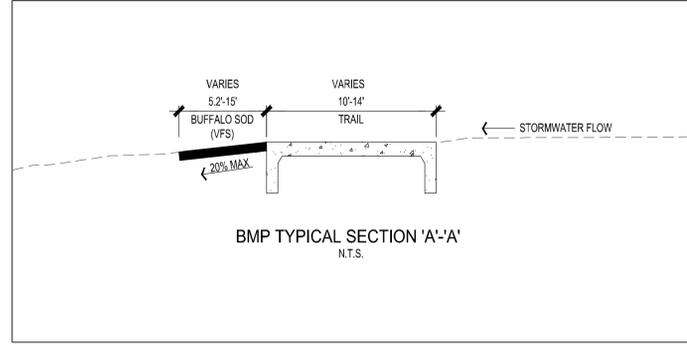
Vegetated filter strips will be implemented along the entire downstream of paved trail with no more than 20% slope. The filter strips must be a engineered vegetative filter strip and a minimum of 5.2 feet wide to achieve 80% TSS removal rate.

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

RG-348 Page 3-33 Equation 3.7:  $LR = (BMP \text{ efficiency}) \times P \times (AI \times 34.6 + A)$

where: AC = Total On-Site drainage area in the BMP catchment  
AI = Impervious area proposed in the BMP catchment  
AP = Pervious area remaining in the BMP catchment  
LR = TSS Load removed from this catchment area

AC = 4.63 acres  
AI = 0.53 acres  
AP = 4.10 acres  
LR = 493 lbs



**BMP TYPICAL SECTION 'A'-A'**  
N.T.S.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY LUIS A. CARDONA, P.E.# 139673 ON 9-15-2025. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF 100 NE INTERSTATE 410 LOOP, SUITE 701, SAN ANTONIO, TEXAS 78216. TBPB'S FIRM #F-312.

**ENVIRONMENTAL LAYOUT**  
**MAVERICK CREEK GREENWAY**  
 UTSA BOULEVARD TO LOOP 1604  
 SAN ANTONIO, TEXAS, 78249  
**halff**  
 T-Core Engineers  
 84 NE Loop 410, Ste 104 • San Antonio, Texas 78216 • 210.900.2448  
 TBPB Registration No. F-18275 • www.tcfre.com  
 JOB NUMBER: 23-04027  
 DESIGNED BY: JR  
 DRAWN BY: JR  
 CHECKED BY: LAC  
 DATE: 9/15/2025  
 SHEET: **EL 1.03**

9/15/2025 7:28 PM A:\53000s\53845\001\PA\CADD\Sheets\Env\_Layout\_MCC.dwg

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

I \_\_\_\_\_, Juanita Fierro  
Print Name

\_\_\_\_\_ Project Manager  
Title - Owner/President/Other

of \_\_\_\_\_ City of San Antonio – Parks & Recreation  
Corporation/Partnership/Entity Name

have authorized \_\_\_\_\_ Luis Cardona, P.E.  
Print Name of Agent/Engineer

of \_\_\_\_\_ Half  
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:

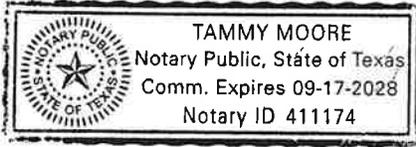
*Jula Garcia*  
Applicant's Signature

11/03/25  
Date

THE STATE OF Texas §  
County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared Juanita Fierro 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 3rd day of November, 2025.



*Tammy Moore*  
NOTARY PUBLIC  
Tammy Moore  
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 9/17/2028

# Application Fee Form

## Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: COSA Greenway Trail System Maverick Creek

Regulated Entity Location: San Antonio, TX

Name of Customer: City of San Antonio

Contact Person: Juanita Fierro

Phone: (210) 207-3170

Customer Reference Number (if issued): CN 600130652

Regulated Entity Reference Number (if issued): RN 110873320

### Austin Regional Office (3373)

Hays

Travis

Williamson

### San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

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

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

12100 Park 35 Circle

Mail Code 214

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(512)239-0357

### Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

<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: 11/3/25

# Application Fee Schedule

Texas Commission on Environmental Quality

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

## ***Water Pollution Abatement Plans and Modifications***

### ***Contributing Zone Plans and Modifications***

<b><i>Project</i></b>	<b><i>Project Area in Acres</i></b>	<b><i>Fee</i></b>
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***

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

### ***Underground and Aboveground Storage Tank System Facility Plans and Modifications***

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

### ***Exception Requests***

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

### ***Extension of Time Requests***

<b><i>Project</i></b>	<b><i>Fee</i></b>
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

<b>1. Reason for Submission</b> (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	
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 600130652		RN 110873320

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (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>			
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
City of San Antonio			
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)
<b>11. Type of Customer:</b>		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
Government: <input checked="" 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:	
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>	
<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	
<b>14. Customer Role</b> (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 checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
<b>15. Mailing Address:</b>			
City	State	ZIP	ZIP + 4
<b>16. Country Mailing Information</b> (if outside USA)		<b>17. E-Mail Address</b> (if applicable)	

<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b>
( ) -		( ) -

### **SECTION III: Regulated Entity Information**

<b>21. General Regulated Entity Information</b> (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>								
<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)								
COSA Greenway Trail System Maverick Creek								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)	Babcock Rd							
	<b>City</b>	San Antonio	<b>State</b>	TX	<b>ZIP</b>	78249	<b>ZIP + 4</b>	
<b>24. County</b>	Bexar							

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

<b>25. Description to Physical Location:</b>	Maverick Creek between old Babcock Rd and UTSA Blvd								
<b>26. Nearest City</b>					<b>State</b>				<b>Nearest ZIP Code</b>
<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>									
<b>27. Latitude (N) In Decimal:</b>	29.580822				<b>28. Longitude (W) In Decimal:</b>	-98.631853			
Degrees	Minutes	Seconds		Degrees	Minutes	Seconds			
29	34	50.96		98	37	54.67			
<b>29. Primary SIC Code</b> (4 digits)	<b>30. Secondary SIC Code</b> (4 digits)		<b>31. Primary NAICS Code</b> (5 or 6 digits)		<b>32. Secondary NAICS Code</b> (5 or 6 digits)				
1542	1623		236220		237110				
<b>33. What is the Primary Business of this entity?</b> (Do not repeat the SIC or NAICS description.)									
<b>34. Mailing Address:</b>									
	<b>City</b>		<b>State</b>		<b>ZIP</b>		<b>ZIP + 4</b>		
<b>35. E-Mail Address:</b>									
<b>36. Telephone Number</b>	<b>37. Extension or Code</b>			<b>38. Fax Number (if applicable)</b>					
( ) -				( ) -					

**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**

<b>40. Name:</b>	Jeremy Ross	<b>41. Title:</b>	Graduate Engineer
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>
( 830 ) 455-6217		( ) -	jross@halff.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.

<b>Company:</b>	Halff	<b>Job Title:</b>	Public Works Team Leader
<b>Name (In Print):</b>	Luis Cardona	<b>Phone:</b>	( 210 ) 704- 1379
<b>Signature:</b>		<b>Date:</b>	11/3/25