

TCEQ EDWARDS AQUIFER PROTECTION PROGRAM

MODIFICATION OF A PREVIOUSLY APPROVED ROADWAY APPLICATION

SAM BASS ROAD

PREPARED FOR:
WILLIAMSON COUNTY, TEXAS



PREPARED BY



PUBLIC PROJECT ENGINEERING

FIRM No. 6535

AUGUST 2024

Modification of a Previously Approved Plan Checklist

Edwards Aquifer Application Cover Page (TCEQ-20705)

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Application Form

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- Attachment H - Temporary Sediment Pond(s) Plans and Calculations
- Attachment I - Inspection and Maintenance for BMPs
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Agent Authorization Form (TCEQ-0599)

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.

1. Regulated Entity Name: Sam Bass Road					2. Regulated Entity No.: RN111698007				
3. Customer Name: Williamson County					4. Customer No.: CN600897888				
5. Project Type: (Please circle/check one)	New	Modification			Extension	Exception			
6. Plan Type: (Please circle/check one)	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential	Non-residential			8. Site (acres):			44.07	
9. Application Fee:	\$8,000		10. Permanent BMP(s):			VFS			
11. SCS (Linear Ft.):			12. AST/UST (No. Tanks):						
13. County:	Williamson		14. Watershed:			Brushy Creek			

Application Distribution

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

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

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

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	—	—	<u>1</u>
Region (1 req.)	—	—	<u>1</u>
County(ies)	—	—	<u>1</u>
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 checked="" type="checkbox"/> Round Rock

San Antonio Region					
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)	—	—	—	—	—
Region (1 req.)	—	—	—	—	—
County(ies)	—	—	—	—	—
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Trinity-Glen Rose	<input type="checkbox"/> Edwards Aquifer Authority	<input type="checkbox"/> Kinney	<input type="checkbox"/> EAA <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 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.

Victoria Ortega

Print Name of Customer/Authorized Agent

Victoria M Ortega

8/7/2024

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: Victoria Ortega, PE

Date: 8/7/2024

Signature of Customer/Agent:

Victoria M Ortega

Project Information

1. Regulated Entity Name: Sam Bass Road
2. County: Williamson
3. Stream Basin: Brushy Creek
4. Groundwater Conservation District (If applicable): N/A

5. Edwards Aquifer Zone:

- Recharge Zone
 Transition Zone

6. Plan Type:

- | | |
|--|--|
| <input type="checkbox"/> WPAP | <input type="checkbox"/> AST |
| <input type="checkbox"/> SCS | <input type="checkbox"/> UST |
| <input checked="" type="checkbox"/> Modification | <input type="checkbox"/> Exception Request |

7. Customer (Applicant):

Contact Person: Terron Evertson, PE

Entity: Williamson County

Mailing Address: 3151 SE Inner Loop

City, State: Georgetown, Texas

Zip: 78626

Telephone: (512) 943-3330

FAX: _____

Email Address: tevertson@wilco.org

8. Agent/Representative (If any):

Contact Person: Victoria Ortega, PE

Entity: K Friese + Associated

Mailing Address: 1120 S. Capital of Texas Highway, CityView 2, Suite 100

City, State: Austin, Texas

Zip: 78746

Telephone: (512) 338-1704

FAX: (512) 338-1784

Email Address: vortega@kfriese.com

9. Project Location:

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

Williamson County proposes the reconstruction of the existing Corridor H (Sam Bass Road) to an arterial roadway consistent with the Williamson County Long-Range Transportation Plan. The project includes roadway construction and associated intersection improvements as well as bridge, a shared use path, and grading. The limits of the Project extend from FM 1431(Whitestone Blvd) to Wyoming Springs Drive and is in the Dry Fork watershed, contributing to Brushy Creek. The Project is located within the Edwards Aquifer Recharge Zone and Contributing Zone.

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: December 31, 2023

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:

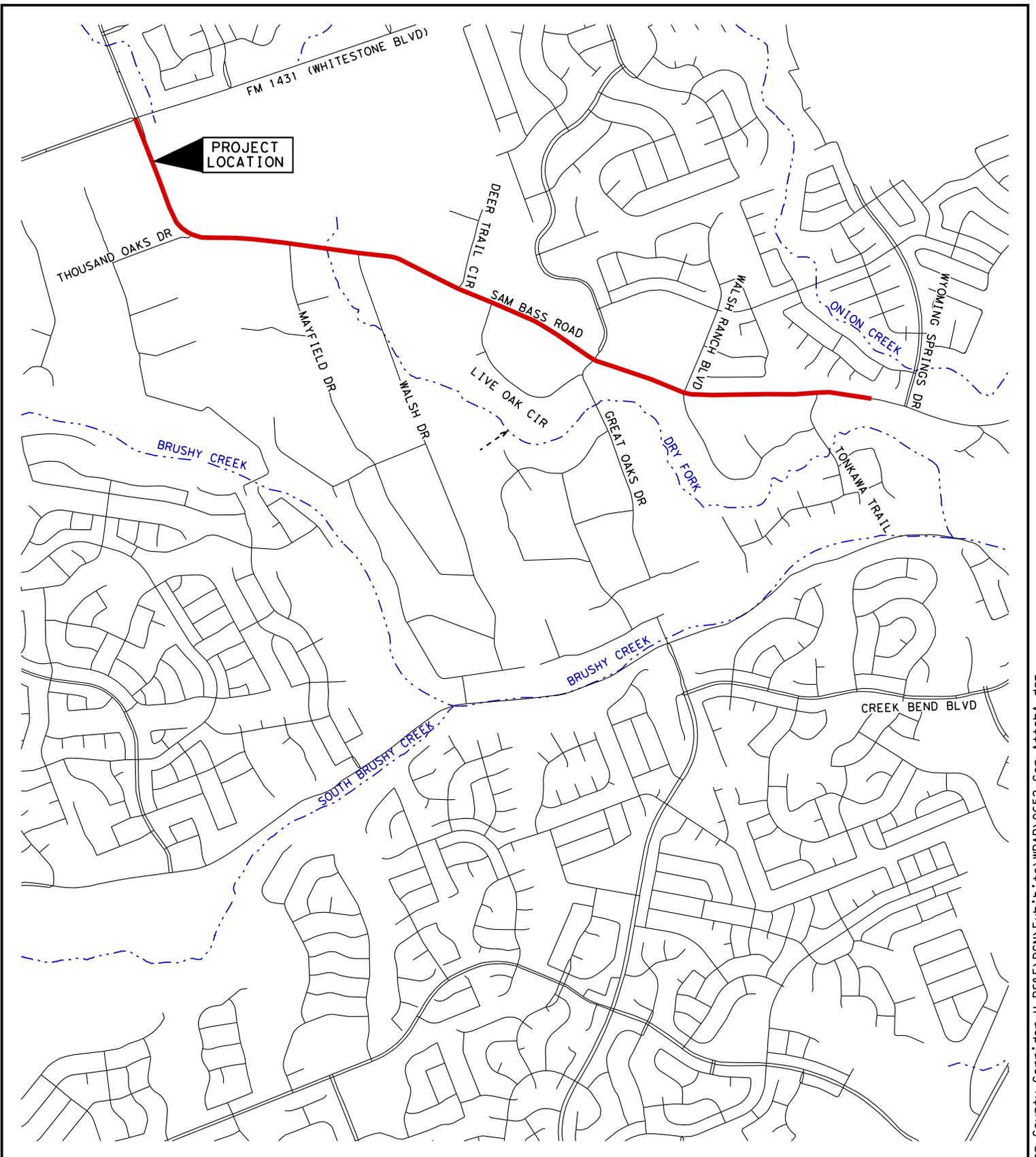
- (1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);
- (2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;
- (3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;
- (4) The use of sewage holding 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.

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**PROJECT
LOCATION**

FM 1431 (WHITESTONE BLVD)

THOUSAND OAKS DR

MAYFIELD DR

DEER TRAIL CIR

SAM BASS ROAD

LIVE OAK CIR

WALSH RANCH BLVD

ONION CREEK

WYOMING SPRINGS DR

BRUSHY CREEK

WALSH DR

GREAT OAKS DR

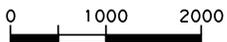
DRY FORK

TONGWA TRAIL

BRUSHY CREEK

SOUTH BRUSHY CREEKS

CREEK BEND BLVD



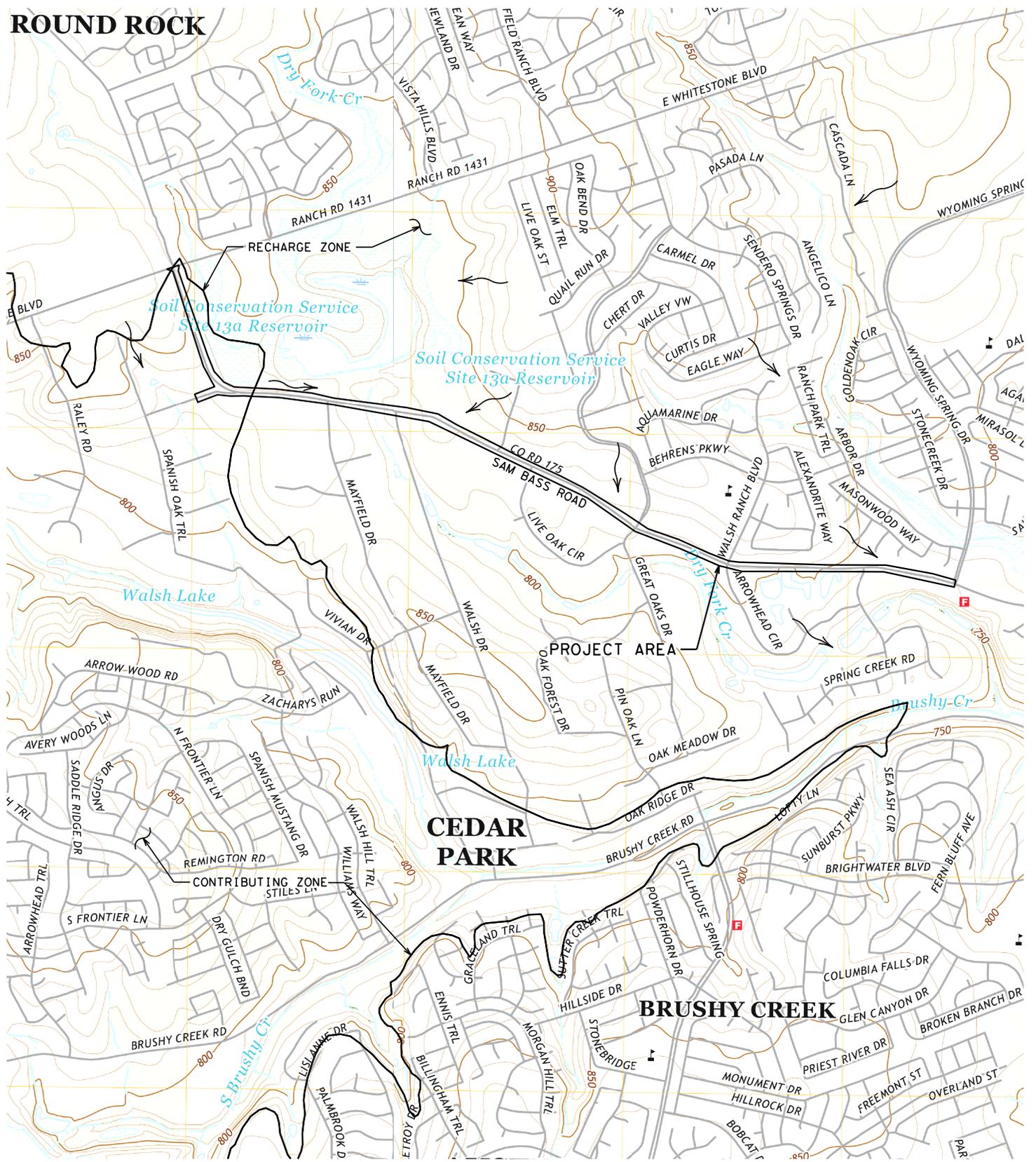
WILLIAMSON COUNTY
SAM BASS ROAD

ATTACHMENT A
ROAD MAP



1120 S. Capital of Texas Highway
CityView 2, Suite 100
Austin, Texas 78746
P 512.338.1704 F 512.338.1784
TBPE Firm Number 6535
www.kfrieze.com

ROUND ROCK

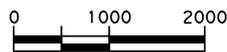


CEDAR PARK

BRUSHY CREEK

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WILLIAMSON COUNTY
SAM BASS ROAD

ATTACHMENT B
USGS QUADRANGLE



1120 S. Capital of Texas Highway
CityView 2, Suite 100
Austin, Texas 78746
P 512.338.1704 F 512.338.1784
TBPE Firm Number 6535
www.kfriesecorp.com

ATTACHMENT C PROJECT DESCRIPTION

Williamson County proposes the reconstruction of the existing Corridor H (Sam Bass Road) to an arterial roadway consistent with the Williamson County Long-Range Transportation Plan. The project includes roadway construction and associated intersection improvements as well as bridge, a shared use path, and grading. The limits of the Project extend from FM 1431(Whitestone Blvd) to Wyoming Springs Drive, approximately 2.5 miles in length, and is in the Dry Fork watershed, contributing to Brushy Creek. The Project is located within the Edwards Aquifer Recharge Zone and Contributing Zone. Project improvements, including vegetative filter strips, were permitted under RN111698007, approved May 5, 2023.

The Project is contained within existing and proposed right-of-way and temporary construction easements and totals approximately 44.07 acres. Under pre-project conditions there is approximately 15.44 acres of impervious cover within the total project area. The proposed improvements will add an additional 8.29 acres of impervious cover for a total proposed impervious cover of 23.73 acres or 53.8 percent of the project area. No additional impervious cover is proposed with the modification.

The right-of-way for the Project is owned by Williamson County and currently includes the existing Sam Bass Road which is a two-lane roadway. The Project will construct half of the ultimate roadway, which includes one-lane in each direction with a center turn lane. There are no existing permits and only the proposed project is being permitted. Any additional, future construction will require a new permit. There are various utilities throughout the corridor including telephone cables, fiber optic cables, underground electric lines, sanitary sewer lines, and domestic water lines.

There are six existing culvert crossings of the Project corridor, all of which accept offsite flow from the north side of the Project and convey it through the project area to the south. Two of these crossings will be removed and replaced with storm sewer. Two detention ponds were permitted in the project area, one at the intersection of Sam Bass Road and Thousand Oaks Drive (Oaks Pond) and one at the intersection of Sam Bass Road and Tonkawa Trail (Wyoming Pond). The Oaks Pond has a 100-year storage of 0.87 ac-ft with an outflow of 46.8 cfs. The Wyoming Pond has a 100-year storage of 0.44 ac-ft and an outflow of 23.2 cfs. Offsite areas will be accepted into the storm sewer and general drainage patterns of the offsite areas will be maintained. A new detention pond is proposed with this modification (Walsh Pond) located downstream of an existing culvert, near Walsh Middle School. The Walsh Pond has a 100-year storage of 0.47 ac-ft and an outflow of 13.4 cfs. All offsite flows contribute to Dry Fork, which generally parallels the roadway to the south. Offsite areas are largely comprised of developed residential.

Permanent BMPs proposed for the project include Vegetative Filter Strips. All BMPs adhere to TCEQ design criteria, as described in RG-348, and achieve 80 percent removal of the post-construction increase in TSS loads. An unpermitted grassy swale is proposed near Dry Fork.

Approximately 5.48 acres of existing pavement will be demolished and replaced with grass. Most of this area will be rebuilt with future phases, requiring additional permitting.

Geologic Assessment

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Geologist: Philip C. Pearce,
P.G.

Telephone: 210-877-2847

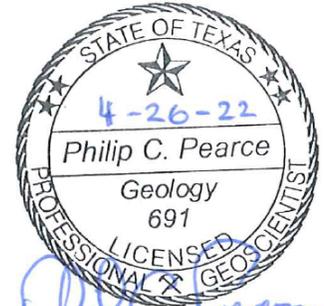
Fax: 210-877-2848

Date: _____

Representing: SWCA Environmental Consultants; TBPG Firm Registration No. 50159 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

Regulated Entity Name: Sam Bass Road Improvement Project



Project Information

1. Date(s) Geologic Assessment was performed: March 8, 2019, April 15, 2022

2. Type of Project:

WPAP
 SCS

AST
 UST

3. Location of Project:

Recharge Zone
 Transition Zone
 Contributing Zone within the Transition Zone

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

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
CfA	D	2-3
DnB	D	2-5
EaD/EaB	D	0.5-1.5
GeB	D	2-3
GsB	D	2-3

* 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" = 100'
 Site Geologic Map Scale: 1" = 100'
 Site Soils Map Scale (if more than 1 soil type): 1" = 2,000'
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 0 (#) 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.



Geologic Assessment for the Corridor H – Sam Bass Road Improvement Project, Williamson County, Texas

APRIL 2022

PREPARED FOR

Prime Strategies, Inc.

and

HNTB Corporation

PREPARED BY

SWCA Environmental Consultants

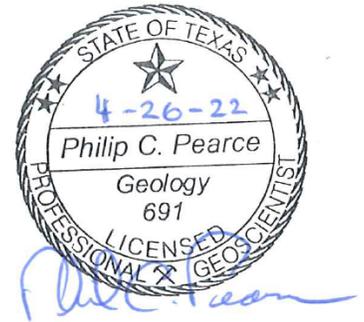
Texas Board of Professional Geoscientists, Firm Registration No. 50159

**GEOLOGIC ASSESSMENT
FOR THE CORRIDOR H – SAM BASS ROAD IMPROVEMENT
PROJECT,
WILLIAMSON COUNTY, TEXAS**

Prepared for

Christen Eschberger
HNTB Corporation
101 E. Old Settlers Boulevard, Suite 100
Round Rock, Texas 78664

On behalf of
Williamson County



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SWCA Project No. 30932.26

April 2022

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1 INTRODUCTION

Williamson County (County) proposes lane widening and other improvements along 2.5 miles of Sam Bass Road between Ranch-to-Market Road (RM) 1431 and Wyoming Springs Drive in southern Williamson County (project). More specifically, the County proposes to improve the two-lane portion of Sam Bass Road to a three-lane roadway and the four-lane roadway to include shoulders with much of the alignment reconstructed north of the existing roadway. The project would also include installation of a 10-foot-wide shared-use path north of the Sam Bass Road and intersection improvements at RM 1431, Walsh Ranch Boulevard, and Great Oaks Drive. The proposed construction footprint would cover approximately 38.3 acres (project area). The project will increase local mobility and is referred to as Corridor H in the County's mobility plan¹ and is funded through the Williamson County Road Bond Program.

2 METHODOLOGY

SWCA studied information sources pertaining to all reputed caves from the project area to gather information related to documented caves in the vicinity prior to conducting field work. These information sources include:

- Internal, SWCA data;
- Unpublished data related to the Williamson County Regional Habitat Conservation Plan (SWCA et al. 2008);
- ESRI® ArcGIS® Online Basemap Map Services;
- U.S. Geological Survey (2013) 7.5-minute topographic digital raster graphics;
- Geologic maps (Barnes 1974); and
- Mapped fault lines (Collins 1997, 2005).

SWCA licensed geoscientist Philip Pearce, P.G. and SWCA biologist Stephen Van Kampen-Lewis conducted a field survey for a Geologic Assessment on March 7, 2019, and on April 15, 2022. The pedestrian survey was completed by traversing parallel transects spaced approximately 30 to 50 feet apart as directed by the Texas Commission on Environmental Quality (TCEQ) (2004) in the *Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones* (Rev. 10-01-04). The project area is centered on an existing paved road and landscaped parkway. The project area includes both disturbed and undisturbed ground.

¹ <https://www.wilco.org/corridors>



Figure 1. Project area location map.

3 RESULTS

3.1 Project Area Overview

The project area occurs within the Contributing and Recharge Zones of the Northern Segment of the Edwards Aquifer (TCEQ 2018). Topography within and surrounding the project area lacks significant elevation changes. Project area topography ranges from approximately 865 feet above mean sea level (amsl) at the west side of project area, to 785 feet amsl near the eastern extent of the project area, with a gentle undulation of elevation from the western to eastern project area extent.

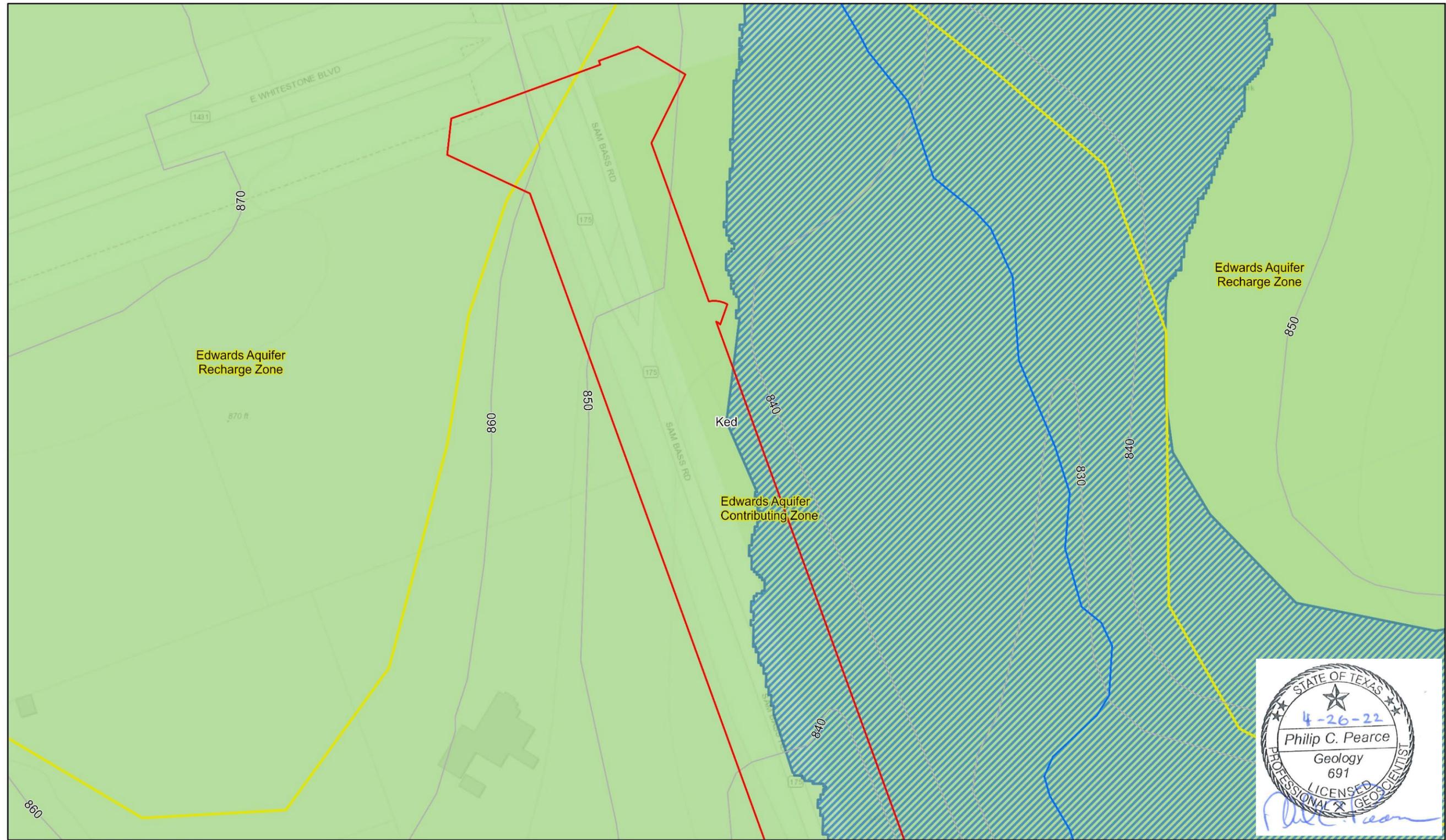
The project area includes existing roadway and open space adjacent to suburban residential development. The western 2.25-mile project extent is an existing two-lane thoroughfare that transitions to four-lanes for the project's eastern 0.25-mile extent. A soil conservation reservoir is adjacent to the western project extent, a water treatment facility, school, and churches occur adjacent to the project core, and residential developments are directly adjacent to the project throughout its extent. Sam Bass Road connects several suburban residential developments of varying ages to several major arterials.

3.2 Geology

Quaternary-age alluvium and terrace deposits cover much of the project area. The Cretaceous-age Edwards Limestone (Ked) and Comanche Peak Formation (Kc) underly alluvial and terrace deposits (Figure 2). Project area geology has been mapped most recently at a useful scale by Collins (1997, 2005) and SWCA finds his interpretation of the geology to be generally accurate. The Stratigraphic Column is included as Attachment B within Appendix A.

The project area occurs along the Balcones Fault Zone (BFZ) within the Edwards Aquifer Contributing and Recharge Zones (TCEQ 2018). Structural down-warping occurred with the Gulf of Mexico's ancestral formation during the middle Tertiary. The earth's crust was stretched in response and the BFZ formed along a zone of weakness, which currently marks the boundary between the Edwards Plateau and the Gulf Coastal Plain in central Texas. The BFZ is characterized by a series of northeast-trending, predominantly normal, nearly vertical, en echelon faults.

Recharge into the Edwards Aquifer primarily occurs in areas where the Edwards Group and Georgetown Formation are exposed at the surface. Most recharge is from direct infiltration via precipitation and streamflow loss. Recharge occurs predominantly along secondary porosity features such as faults, fractures, and karst features (caves, solution cavities, sinkholes, etc.). Karst features are commonly formed along joints, fractures, and bedding plane surfaces in the Edwards Group and Georgetown Formation. Water that recharges the Edwards Aquifer in the vicinity of the project site commonly discharges near the contact between the Edwards Limestone and underlying Comanche Peak Formation.



	<p>CORRIDOR H SAM BASS ROAD GEOLOGIC MAP WILLIAMSON COUNTY, TEXAS Page 1 of 10</p>	<p>Project Area</p> <p>Edwards Aquifer Zone</p> <p>National Hydrography Dataset - NHD</p> <p>100-year Floodplain</p>	<p>Contour</p> <p>Geologic Unit</p> <p>Ked - Edwards Limestone</p>			<p>1:1,200</p> <p>Created By: J. Kalina Project Number: 2022-26 Date: 1/27/2022</p>
	<p>SWCA ENVIRONMENTAL CONSULTANTS</p>			<p>Professional Geologist Seal: STATE OF TEXAS, 4-26-22, Philip C. Pearce, Geology 691, LICENSED PROFESSIONAL GEOSCIENTIST</p>		

Figure 2a. Project area geologic map (1 of 10)

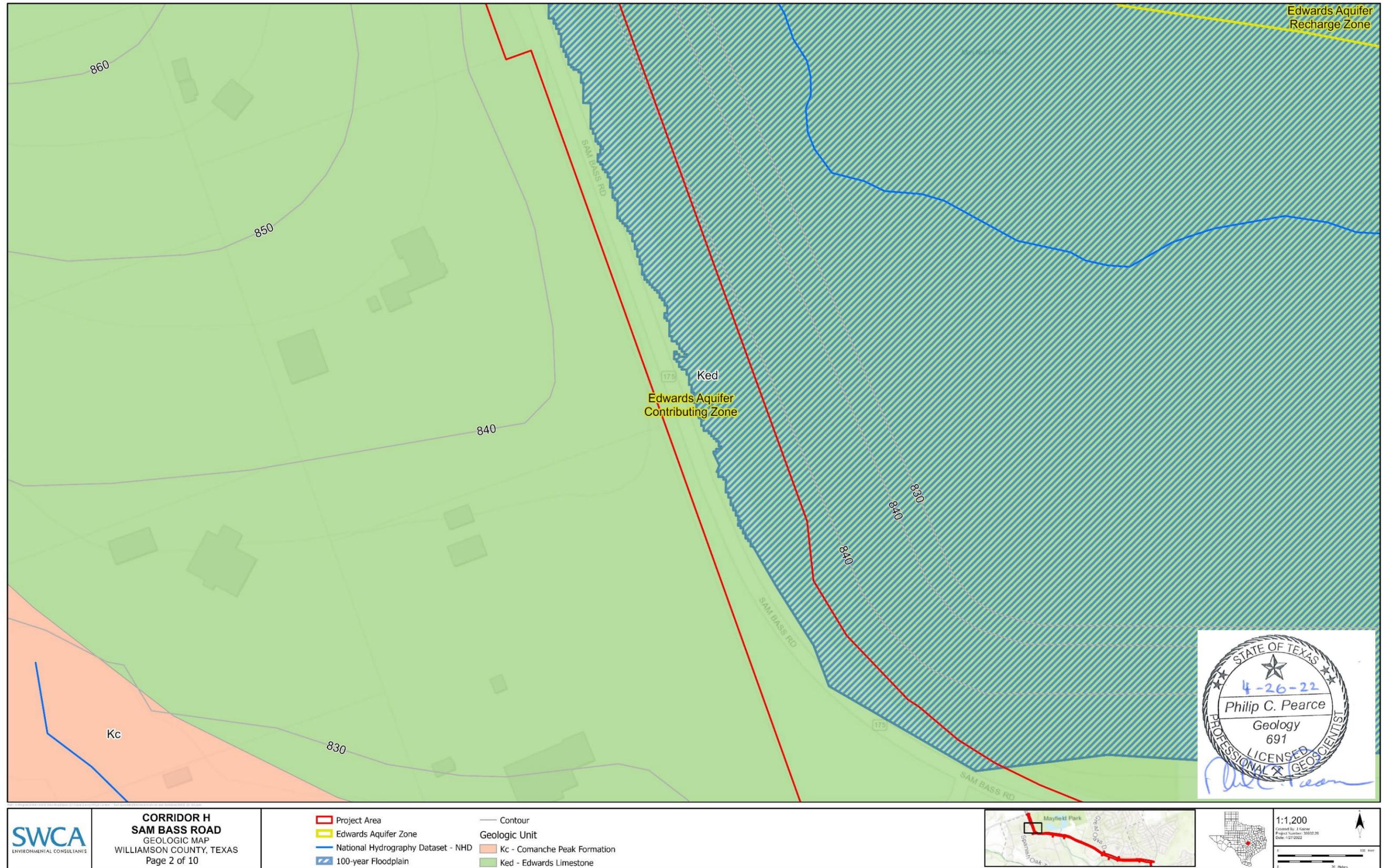
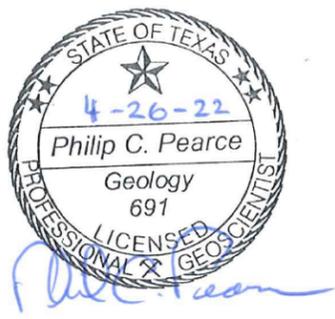
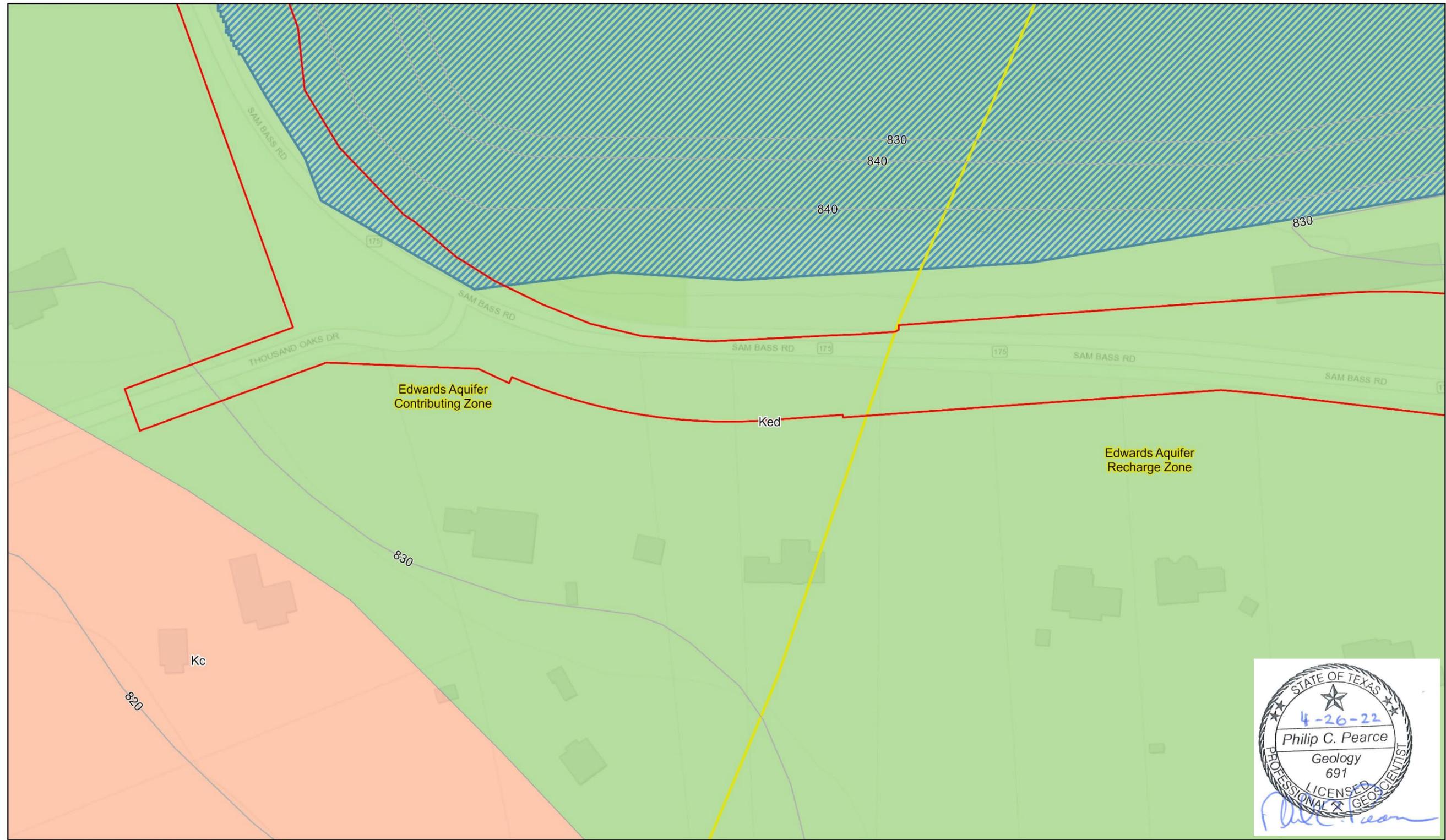


Figure 2b. Project area geologic map (2 of 10)

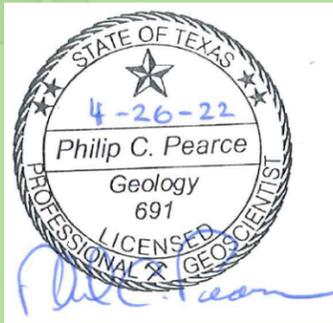
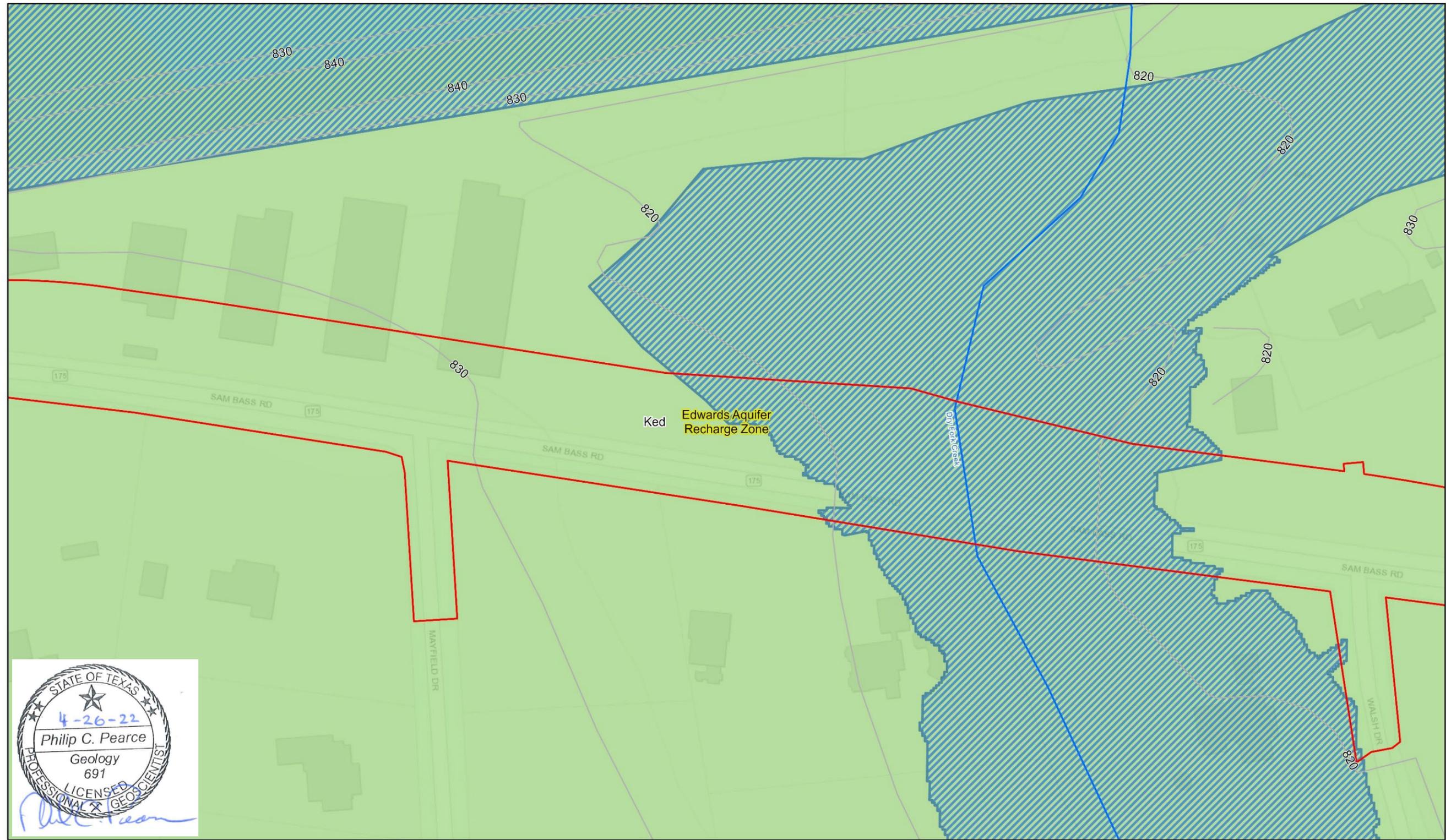


	<p>CORRIDOR H SAM BASS ROAD GEOLOGIC MAP WILLIAMSON COUNTY, TEXAS Page 3 of 10</p>	Project Area	Geologic Unit Kc - Comanche Peak Formation
		Edwards Aquifer Zone	Ked - Edwards Limestone
		100-year Floodplain	
		Contour	

1:1,200

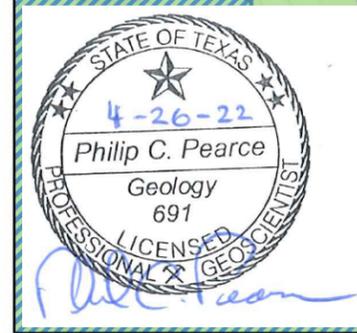
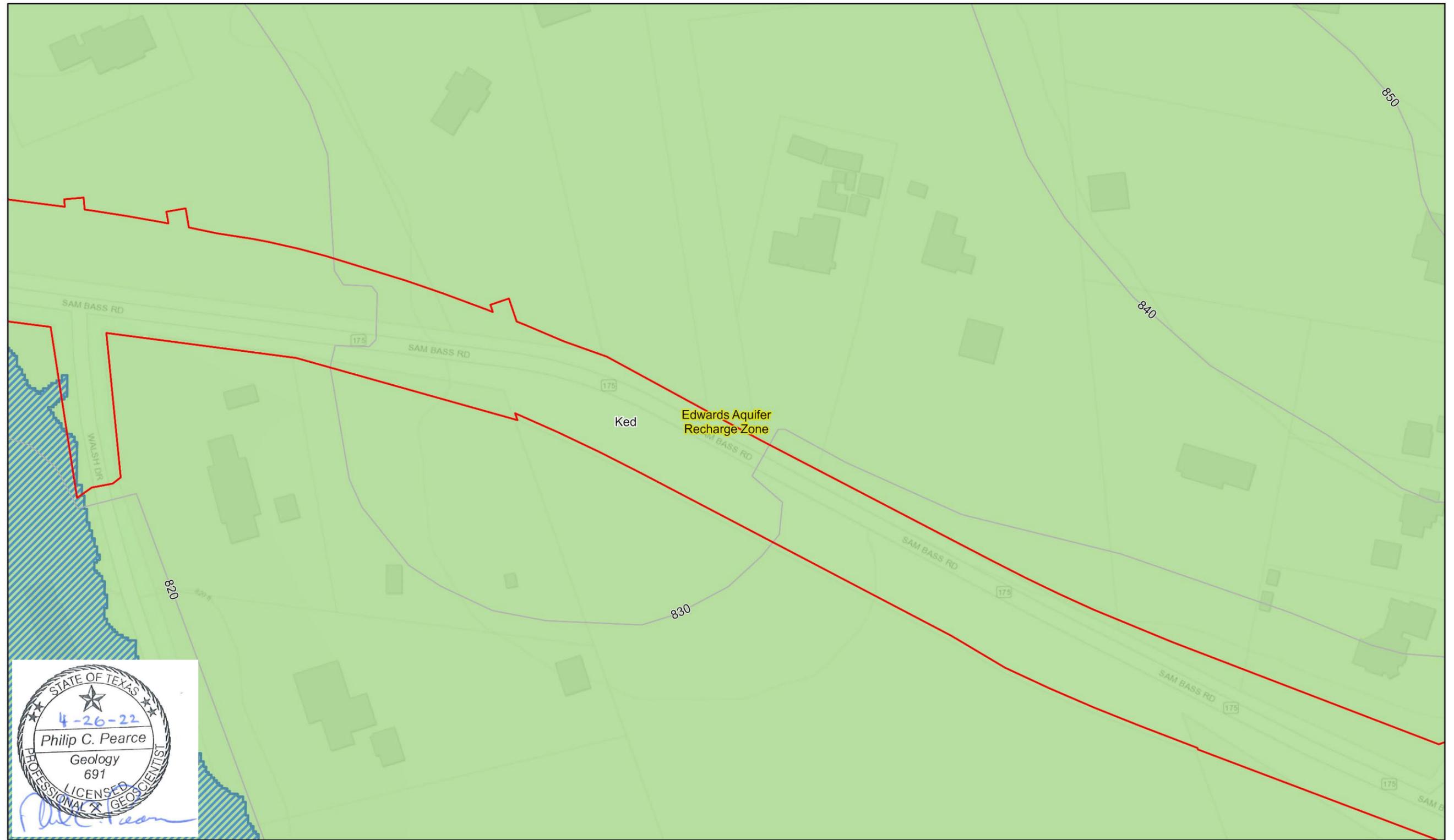
Created By: J. Kalina
Project Number: 2022-26
Date: 1/27/2022

Figure 2c. Project area geologic map (3 of 10)



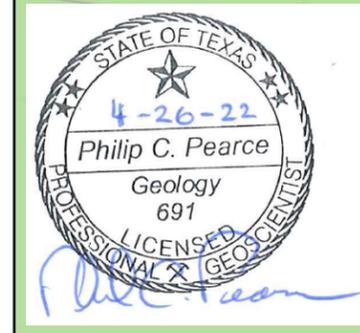
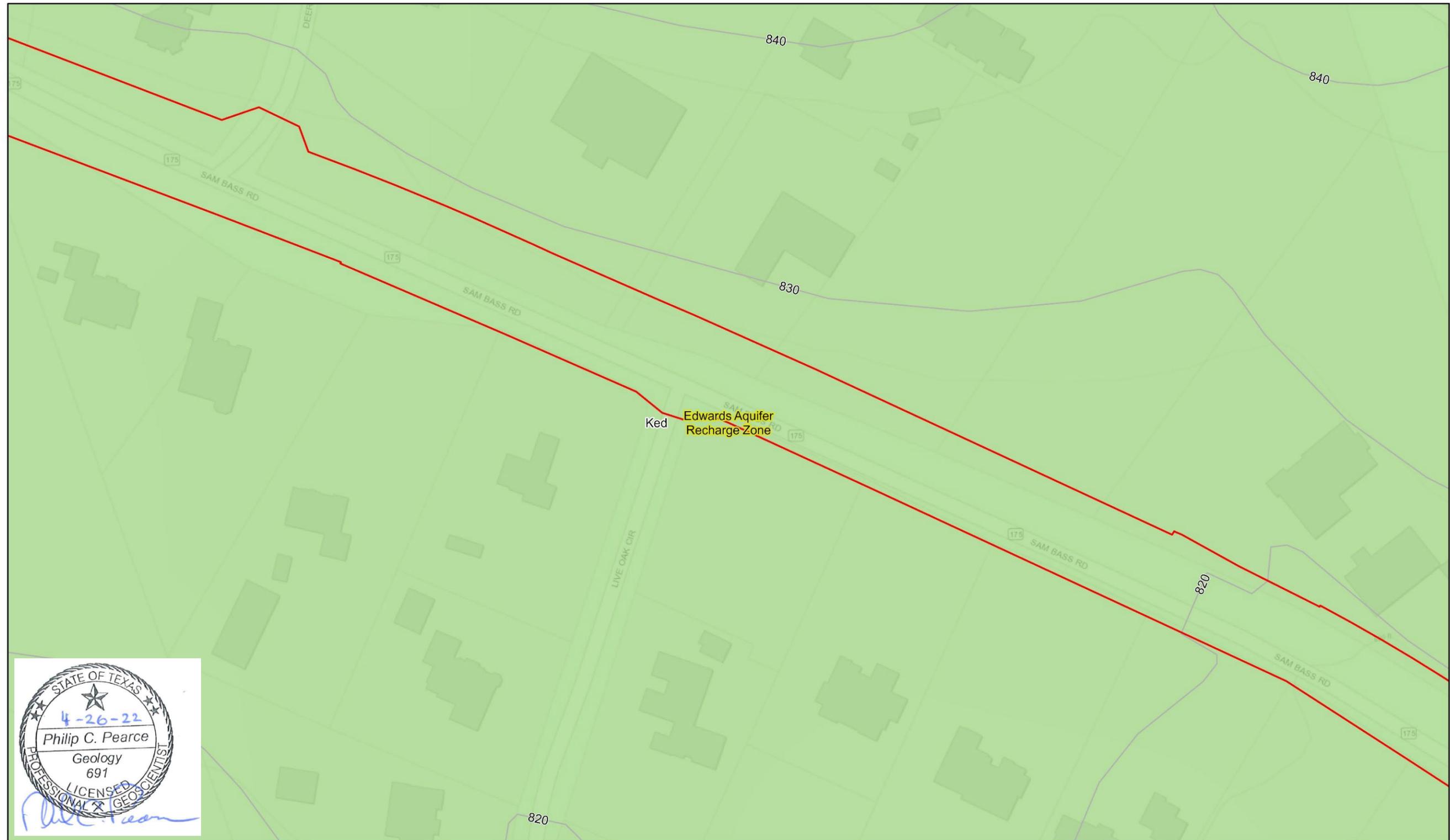
	<p>CORRIDOR H SAM BASS ROAD GEOLOGIC MAP WILLIAMSON COUNTY, TEXAS Page 4 of 10</p>	Project Area	Contour
		Edwards Aquifer Zone	Geologic Unit Ked - Edwards Limestone
		National Hydrography Dataset - NHD	100-year Floodplain

Figure 2d. Project area geologic map (4 of 10)



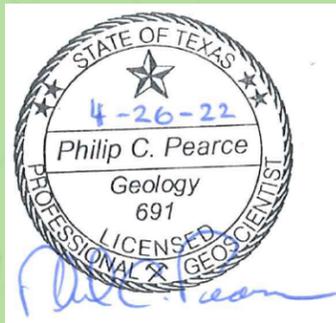
	<p>CORRIDOR H SAM BASS ROAD GEOLOGIC MAP WILLIAMSON COUNTY, TEXAS Page 5 of 10</p>	Project Area	Contour
		Edwards Aquifer Zone	Geologic Unit Ked - Edwards Limestone
		100-year Floodplain	
		<p>1:1,200 Created By: J. Kalina Project Number: 2022-26 Date: 1/27/2022</p>	

Figure 2e. Project area geologic map (5 of 10)

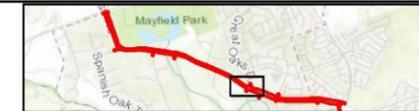


	<p>CORRIDOR H SAM BASS ROAD GEOLOGIC MAP WILLIAMSON COUNTY, TEXAS Page 6 of 10</p>	<p>Project Area Edwards Aquifer Zone Contour</p>	<p>Geologic Unit Ked - Edwards Limestone</p>			<p>1:1,200 Created By: J. Kalina Project Number: 2022-26 Date: 1/27/2022</p>
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Figure 2f. Project area geologic map (6 of 10)



	<p>CORRIDOR H SAM BASS ROAD GEOLOGIC MAP WILLIAMSON COUNTY, TEXAS Page 7 of 10</p>	Project Area	Geologic Unit
		Edwards Aquifer Zone	Ked - Edwards Limestone
		Contour	



1:1,200
 Created By: J. Kalina
 Project Number: 2022-26
 Date: 1/27/2022

Figure 2g. Project area geologic map (7 of 10)

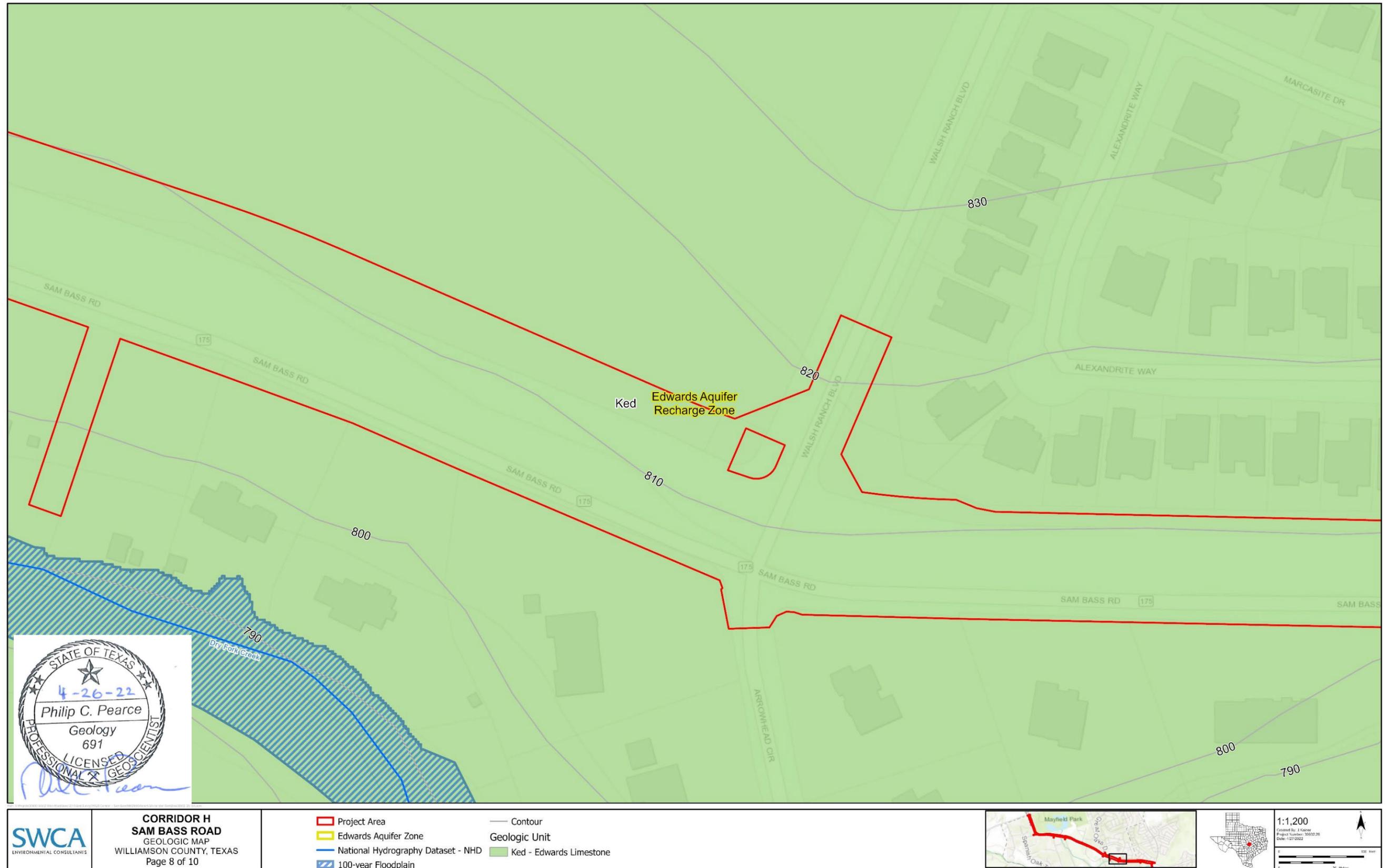


Figure 2h. Project area geologic map (8 of 10)

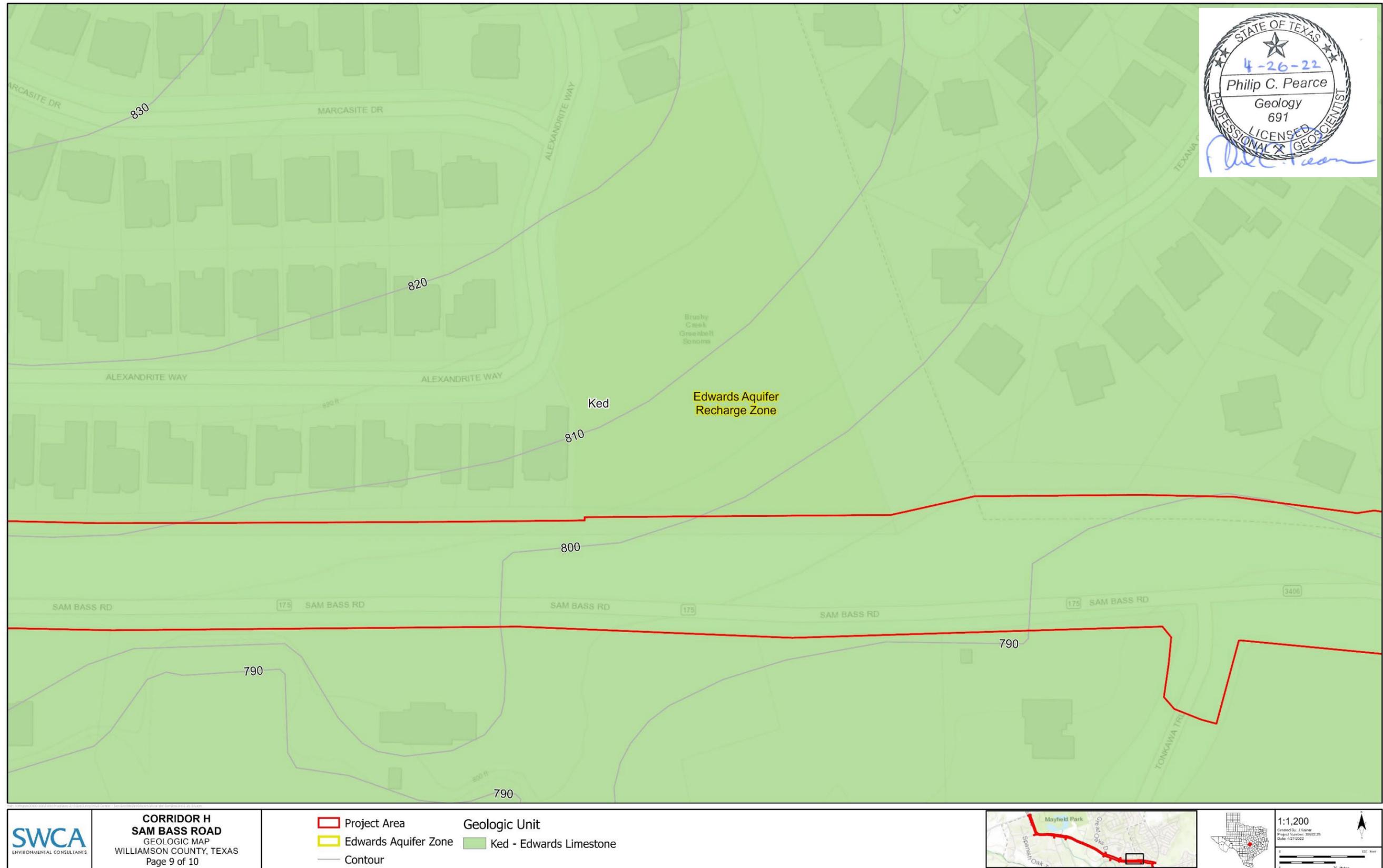


Figure 2i. Project area geologic map (9 of 10)

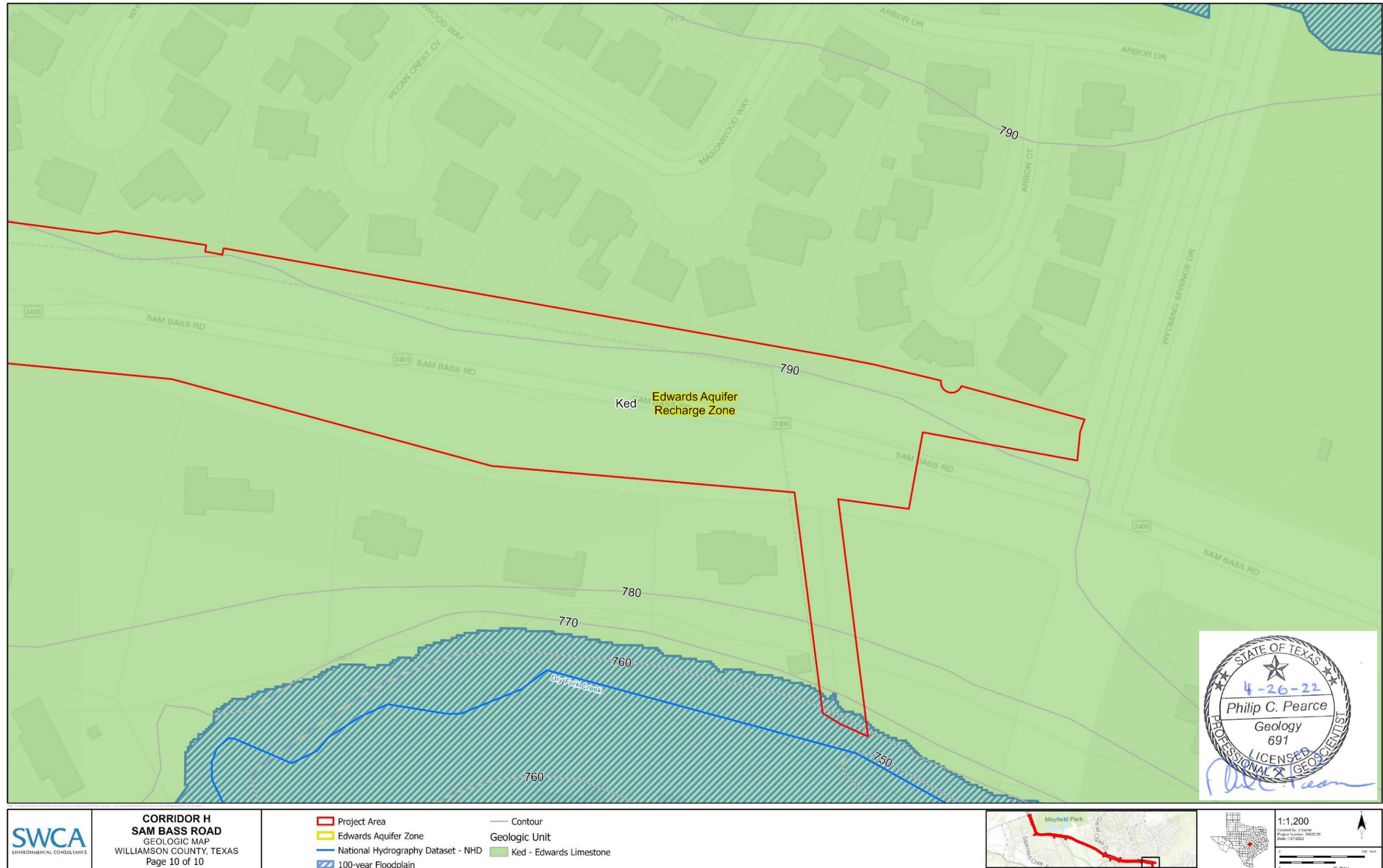


Figure 2j. Project area geologic map (10 of 10)

3.3 Soils

The Natural Resources Conservation Service (2018) identifies six soil units within the project area (Figure 3). Table 1 provides additional detail for these soil types.

Table 1. Project Area Soils Detail

Soil Name	Hydric	Hydrologic Soil Group*	Drainage Class	Frequency of Flooding/ Ponding	Depth to Water Table (inches)
CfA: Crawford clay, 0 to 1 percent slopes	No	D	Well drained	None	80+
DnB: Denton silty clay, 1 to 3 percent slopes					
EaD: Eckrant cobbly clay, 1 to 8 percent slopes					
EeB: Eckrant extremely stony clay, 0 to 3 percent slopes					
GeB: Georgetown clay loam, 0 to 2 percent slopes					
GsB: Georgetown stony clay loam, 1 to 3 percent slopes					

Data Source: Natural Resources Conservation Service 2018.

* Group D – Soils had very slow infiltration rates when thoroughly wetted and exhibit the highest potential for runoff.

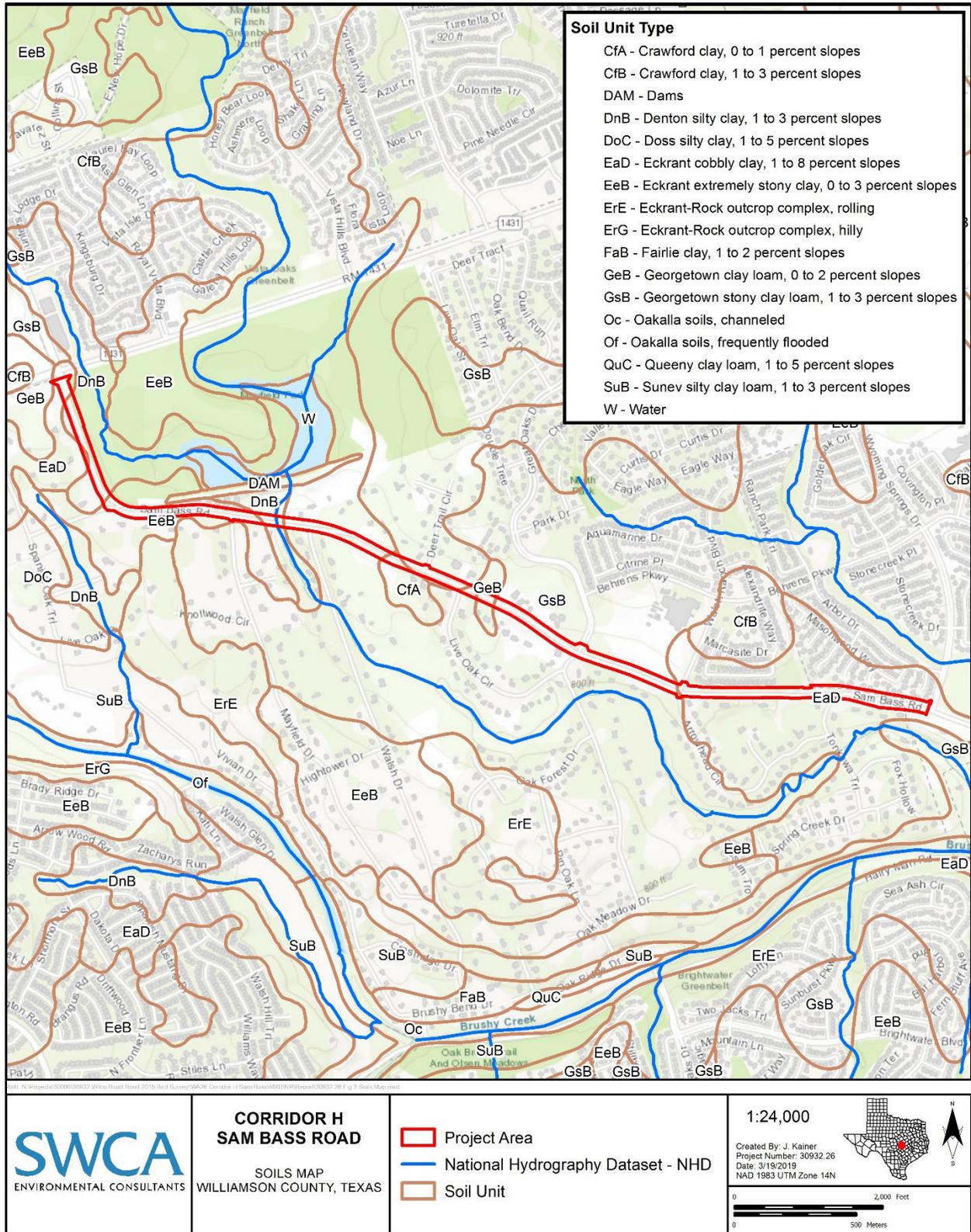


Figure 3. Project area soils map (Natural Resources Conservation Service 2018).

4 HYDROGEOLOGIC ASSESSMENT

The overall potential for fluid migration to the Edwards Aquifer for the project area appears relatively low compared to background infiltration rates, due to the presence of paved and landscaped surfaces and a lack of geologic features. The Comanche Peak Limestone outcrop occurs at the western project extent, at an elevation roughly 20–40 feet lower than the higher portions of the project area. Five wells near the project area are drilled through the Edwards Aquifer and into the underlying Trinity Aquifers (Figure 4). Table 1 shows water well number, depth to water and distance from the project (TWDB 2019). Wells 5827702 and 5827715 were cased very shallow and had very shallow water depths.

Several ponds occur near the central project extent and aerial imagery indicates high water clarity with no observable water level change over time, even during the extreme drought of 2011 and 2012. There is strong possibility these ponds derive at least some flow from a groundwater source. SWCA specialists examined Dry Fork Creek crossings south of the project area and noticed a significant streamflow increase, which may indicate Dry Fork Creek is a gaining stream. SWCA specialists also observed active springs within Tonkawa Springs Park, approximately 870-feet south of the project area. SWCA also observed flowing water along a bar ditch of Arrowhead Circle. The source of the flowing water in the bar ditch appeared to come from ponds located upslope of the street. These ancillary observations suggest groundwater within the Edwards aquifer perched on the Comanche Peak is shallow and discharges at the ground surface in many locations in the site vicinity.

Table 2. Nearby water wells showing depth to water (TWDB 2019).

Water Well	Well Depth	Casing Depth	Depth To Water	Year Measured	Distance From Project (feet)
5827712	320	40	90	1976	50
5827706	725	335	50.4	1977	706
5827702	306	20	16.1	1972	2,053
5827715	212	40	16.4	1981	2,471
5827705	702	51	63	1976	2,800

SWCA identified no manmade or geologic features (including faults) within the project area. TCEQ (2018) indicates the project area is within both the Edwards Aquifer Contributing and Recharge Zones.

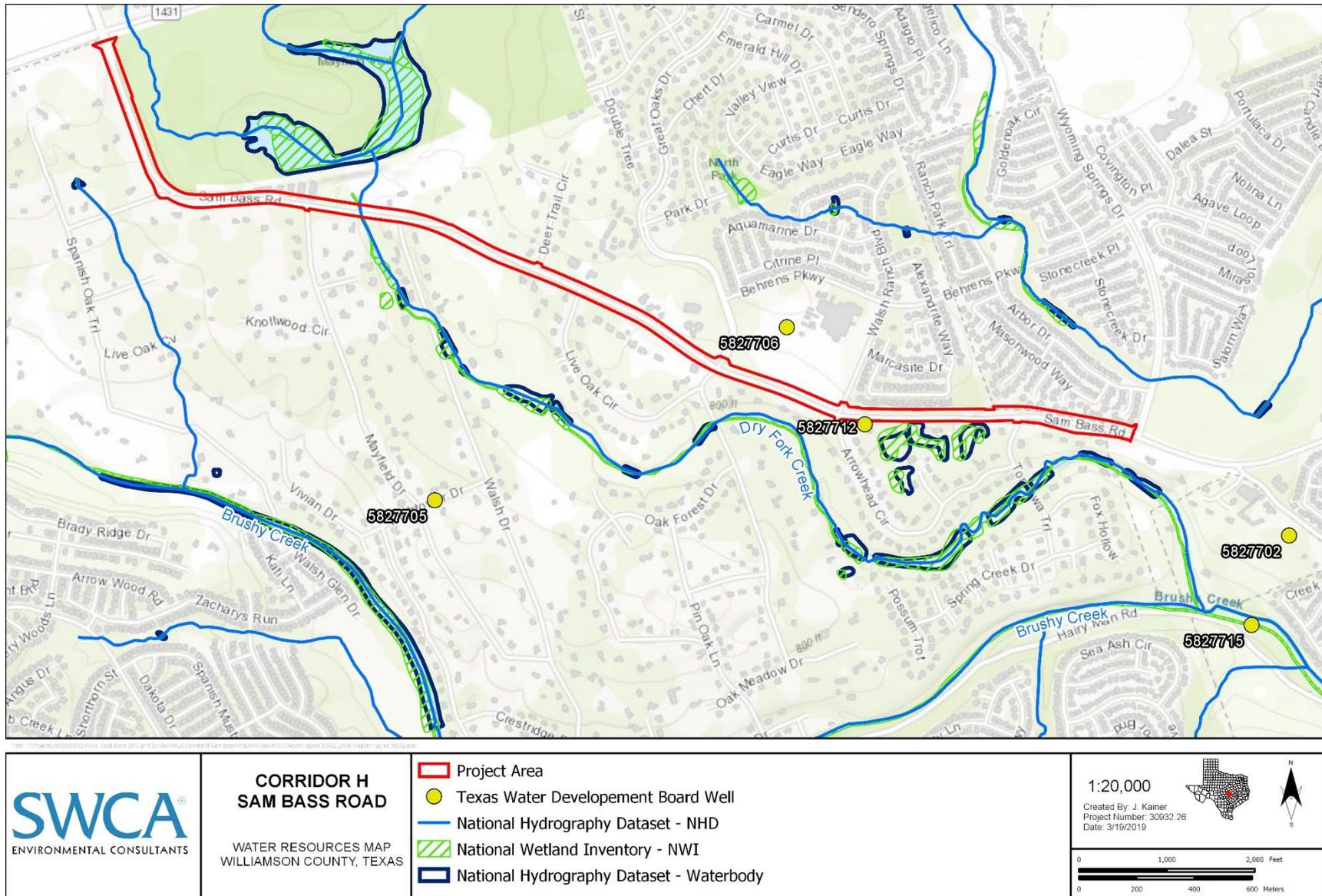


Figure 4. Project area showing several well locations and surface waters.

5 REFERENCES

- Barnes, V.E. 1974. Geologic Atlas of Texas, Austin Sheet. University of Texas at Austin, Bureau of Economic Geology. Scale 1:250,000.
- Collins, E.W. 1997. Geologic map of the Round Rock quadrangle, Texas: University of Texas at Austin, Bureau of Economic Geology, Open-File Map OFM0013D, scale 1:24,000.
- Collins, E.W. 2005. Geologic Map of the West Half of the Taylor, Texas, 30 x 60 Minute Quadrangle: Central Texas Urban Corridor, Encompassing Round Rock, Georgetown, Salado, Briggs, Liberty Hill, and Leander. Miscellaneous Map: Bureau of Economic Geology, No. 43, p. 16.
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- Texas Commission on Environmental Quality. 2004. *Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones* (Rev. 10-01-04). Austin, Texas. 34 pp.
- . 2018. Edwards Aquifer Viewer v3.8. Available online at: <https://www.tceq.texas.gov/gis/edwards-viewer.html>. Accessed March 2019.
- Texas Water Development Board (TWDB). 2019. Water Data Interactive— Viewer. Available online at: <https://www2.twdb.texas.gov/apps/waterdatainteractive/groundwaterdataviewer>. Accessed March 2019.
- U.S. Geological Survey. 2013. Round Rock, Texas 7.5-minute quadrangle topographic map.

APPENDIX A

Texas Commission on Environmental Quality (TCEQ) Forms

Geologic Assessment

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Geologist: Philip C. Pearce,
P.G.

Telephone: 210-877-2847

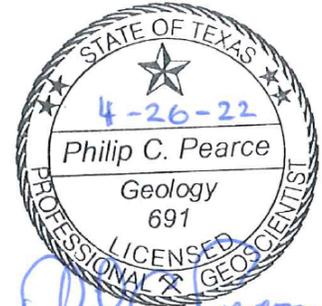
Fax: 210-877-2848

Date: _____

Representing: SWCA Environmental Consultants; TBPG Firm Registration No. 50159 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

Regulated Entity Name: Sam Bass Road Improvement Project



Project Information

1. Date(s) Geologic Assessment was performed: March 8, 2019, April 15, 2022

2. Type of Project:

WPAP
 SCS

AST
 UST

3. Location of Project:

Recharge Zone
 Transition Zone
 Contributing Zone within the Transition Zone

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

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
CfA	D	2-3
DnB	D	2-5
EaD/EaB	D	0.5-1.5
GeB	D	2-3
GsB	D	2-3

* 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" = 100'
 Site Geologic Map Scale: 1" = 100'
 Site Soils Map Scale (if more than 1 soil type): 1" = 2,000'
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 0 (#) 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

ATTACHMENT B

Stratigraphic Column

Stratigraphic Column

Upper Cretaceous	Upper Confining Units	Navarro and Taylor Groups, undivided; 600 feet thick
		Austin Group; 325–420 feet thick
		Eagle Ford Group; 25–65 feet thick
		Buda Limestone; 40–50 feet thick
		Del Rio Clay; 40–70 feet thick
Lower Cretaceous	Edwards Aquifer	Georgetown Formation; 30–80 feet thick
		Edwards Limestone; Up to 200 feet thick
		Comanche Peak Formation; 80 feet thick
	Lower Confining Units	Walnut Formation; Up to 120 feet thick
		Upper member of Glen Rose Limestone; 500 feet thick

Note: The shaded areas represent the lithology that outcrops in the Project Area.

ATTACHMENT C

Narrative Description of Geology

Please refer to section 3.2 of this report for geologic narrative description.

ATTACHMENT D

Site Geologic Map and Soils Map

Please refer to section 3.3 of this report for geologic and soils maps.

ATTACHMENT E

Photographic Log



Photograph 1. Representative view of western project area extent, at the Dry Fork Creek crossing.



Photograph 2. Representative view of central project extent, in front of Walsh Middle School.



Photograph 3. Representative view of ponds near central project extent.



Photograph 4. Representative photograph of typical residential development, just south of project area.

Modification of a Previously Approved Plan

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Transition Zone and Relating to 30 TAC 213.4(j), 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 request for a **Modification of a Previously Approved Plan** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Victoria Ortega, PE

Date: 8/7/2024

Signature of Customer/Agent:

Victoria M Ortega

Project Information

1. Current Regulated Entity Name: Sam Bass Road
Original Regulated Entity Name: Sam Bass Road
Regulated Entity Number(s) (RN): RN111698007
Edwards Aquifer Protection Program ID Number(s): 11003533
 The applicant has not changed and the Customer Number (CN) is: CN600897888
 The applicant or Regulated Entity has changed. A new Core Data Form has been provided.
2. **Attachment A: Original Approval Letter and Approved Modification Letters.** A copy of the original approval letter and copies of any modification approval letters are attached.

3. A modification of a previously approved plan is requested for (check all that apply):
- Physical or operational modification of any water pollution abatement structure(s) including but not limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;
 - Change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;
 - Development of land previously identified as undeveloped in the original water pollution abatement plan;
 - Physical modification of the approved organized sewage collection system;
 - Physical modification of the approved underground storage tank system;
 - Physical modification of the approved aboveground storage tank system.
4. Summary of Proposed Modifications (select plan type being modified). If the approved plan has been modified more than once, copy the appropriate table below, as necessary, and complete the information for each additional modification.

<i>WPAP Modification</i>	<i>Approved Project</i>	<i>Proposed Modification</i>
<i>Summary</i>		
Acres	<u>43.55</u>	<u>44.07</u>
Type of Development	<u>County Roadway</u>	<u>County Roadway</u>
Number of Residential Lots	<u>0</u>	<u>0</u>
Impervious Cover (acres)	<u>23.73</u>	<u>23.73</u>
Impervious Cover (%)	<u>54.5</u>	<u>53.8</u>
Permanent BMPs	<u>VFS</u>	<u>VFS</u>
Other	_____	_____

<i>SCS Modification</i>	<i>Approved Project</i>	<i>Proposed Modification</i>
<i>Summary</i>		
Linear Feet	_____	_____
Pipe Diameter	_____	_____
Other	_____	_____

AST Modification	Approved Project	Proposed Modification
Summary		
Number of ASTs	_____	_____
Volume of ASTs	_____	_____
Other	_____	_____

UST Modification	Approved Project	Proposed Modification
Summary		
Number of USTs	_____	_____
Volume of USTs	_____	_____
Other	_____	_____

5. **Attachment B: Narrative of Proposed Modification.** A detailed narrative description of the nature of the proposed modification is attached. It discusses what was approved, including any previous modifications, and how this proposed modification will change the approved plan.

6. **Attachment C: Current Site Plan of the Approved Project.** A current site plan showing the existing site development (i.e., current site layout) at the time this application for modification is attached. A site plan detailing the changes proposed in the submitted modification is required elsewhere.
 - The approved construction has not commenced. The original approval letter and any subsequent modification approval letters are included as Attachment A to document that the approval has not expired.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was constructed as approved.
 - The approved construction has commenced and has been completed. Attachment C illustrates that the site was **not** constructed as approved.
 - The approved construction has commenced and has **not** been completed. Attachment C illustrates that, thus far, the site was constructed as approved.
 - The approved construction has commenced and has **not** been completed. Attachment C illustrates that, thus far, the site was **not** constructed as approved.

7. The acreage of the approved plan has increased. A Geologic Assessment has been provided for the new acreage.
 - Acreage has not been added to or removed from the approved plan.

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

TCEQ EDWARDS AQUIFER PROTECTION PROGRAM

MODIFICATION OF PREVIOUSLY APPROVED ROADWAY APPLICATION

SAM BASS ROAD

ATTACHMENT A:
ORIGINAL APPROVAL LETTER

PREPARED FOR:
WILLIAMSON COUNTY



**PREPARED:
MARCH 2024**

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Erin E. Chancellor, *Interim Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 5, 2023

Mr. Terron Evertson, P.E.
Williamson County
3151 SE Inner Loop, Suite B
Georgetown, Texas 78626

Re: Approval of a Water Pollution Abatement Plan (WPAP)
Sam Bass Rd; RM 1431 to Wyoming Springs Drive; Round Rock ETJ, Williamson County
Edwards Aquifer Protection Program ID: 11003533, Regulated Entity No. RN111698007

Dear Mr. Evertson:

The Texas Commission on Environmental Quality (TCEQ) has completed its review on the application for the above-referenced project submitted to the Edwards Aquifer Protection Program (EAPP) by K Friese + Associates, Inc. on behalf of the applicant, Williamson County on March 13, 2023.

As presented to the TCEQ, the application was prepared in general compliance with the requirements of 30 Texas Administrative Codes (TAC) Chapter §213. The permanent best management practices (BMPs) and measures represented in the application were prepared by a Texas licensed professional engineer (PE). All construction plans and design information were sealed, signed, and dated by a Texas licensed PE. Therefore, the application for the construction of the proposed project and methods to protect the Edwards Aquifer are **approved**, subject to applicable state rules and the conditions in this letter.

This approval expires two years from the date of this letter, unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been officially requested. This approval or extension will expire, and no extension will be granted if more than 50 percent of the project has not been completed within ten years from the date of this letter.

The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer protection plan. A motion for reconsideration must be filed in accordance with 30 TAC §50.139.

PROJECT DESCRIPTION

Williamson County proposes the reconstruction of Sam Bass Road to an arterial. The limits of the project extend from RM 1431 (Whitestone Blvd.) to Wyoming Springs. The proposed project is 2.5 miles in length and includes three 12-foot lanes with 4-foot shoulders. In addition, the project includes associated intersection improvements as well as a bridge, a shared-use path, and re-grading. The impervious cover will be 21.1 acres.

In addition to the described activities, temporary erosion and sedimentation controls will be installed prior to commencing site disturbance and maintained during construction. No wastewater will be generated by this roadway project.

PERMANENT POLLUTION ABATEMENT MEASURES

The selected BMP for this project is the roadway receiving vegetated filter strips (VFS) in selected areas along the length of the roadway, not including the bridge sections and roadway culverts. Treatment design calculations were sealed by Victoria Ortega, P.E., on December 7, 2022 to demonstrate the total treatment load removal to exceed the required 5431 lbs. of the increased load in total suspended solids caused by the project. Williamson County will maintain the VFS.

GEOLOGY

According to the Geologic Assessment (GA) included with the application, the surficial units of the site are the Edwards (K_{ed}) and Comanche Peak (K_c) Limestone Formations. A mapped fault crosses the site. No sensitive geologic features were identified in the GA. The project is located within the Edwards Aquifer Recharge Zone and Contributing Zone as part of the Brushy Creek watershed. The site has been previously disturbed by construction and consists mostly of grasses and established vegetation and existing pavement. The site assessment conducted on April 5, 2023 by TCEQ staff determined the site to be generally as described by the GA.

SPECIAL CONDITIONS

- I. Since this is a roadway construction project, deed recordation of this approval letter is not required.
- II. All construction activities, including staging, stockpiling, parking lots, and traffic shall be conducted inside the established ROW, and outside the 100-year floodplain, except in the case where proper BMPs are being installed or maintained.

STANDARD CONDITIONS

1. The plan holder (applicant) must comply with all provisions of 30 TAC Chapter §213 and all technical specifications in the approved plan. The plan holder should also acquire and comply with additional and separate approvals, permits, registrations or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, Dam Safety, Underground Injection Control) as required based on the specifics of the plan.
2. In addition to the rules of the Commission, the plan holder must also comply with state and local ordinances and regulations providing for the protection of water quality as applicable.

Prior to Commencement of Construction:

3. The plan holder of any approved Edwards Aquifer protection plan must notify the EAPP and obtain approval from the executive director prior to initiating any modification to the activities described in the referenced application following the date of the approval.
4. The plan holder must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the EAPP no later than 48 hours prior to commencement of the regulated activity. Notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person.

5. Temporary erosion and sedimentation (E&S) controls as described in the referenced application, must be installed prior to construction, and maintained during construction. Temporary E&S controls may be removed when vegetation is established, and the construction area is stabilized. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.
6. All borings with depths greater than or equal to 20 feet must be plugged with non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring or gravel. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation.

During Construction:

7. This approval does not authorize the installation of temporary or permanent aboveground storage tanks on this project that will have a total storage capacity of five hundred gallons or more of static hydrocarbons or hazardous substances without prior approval of an Aboveground Storage Tank facility application.
8. If any sensitive feature is encountered during construction, replacement, or rehabilitation on this project, all regulated activities must be **immediately** suspended near it and notification must be made to TCEQ EAPP staff. Temporary BMPs must be installed and maintained to protect the feature from pollution and contamination. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality.
9. All water wells, including injection, dewatering, and monitoring wells shall be identified in the geologic assessment and must be in compliance with the requirements of the Texas Department of Licensing and Regulation 16 TAC Chapter §76 and all other locally applicable rules, as appropriate.
10. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
11. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge must be filtered through appropriately selected BMPs.
12. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
13. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

Mr. Terron Evertson, P.E.

May 5, 2023

Page 4

After Completion of Construction:

14. Owners of permanent BMPs and temporary measures must ensure that the BMPs and measures are constructed and function as designed. A Texas licensed PE must certify in writing that the **permanent** BMPs or measures were constructed as designed. The certification letter must be submitted to the EAPP within 30 days of site completion.
15. The applicant shall be 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 or the ownership of the property is transferred to the entity. A copy of the transfer of responsibility must be filed with the executive director through the EAPP within 30 days of the transfer. TCEQ form, Change in Responsibility for Maintenance on Permanent BMPs and Measures (TCEQ-10263), may be used.

The holder of the approved Edwards Aquifer protection plan is responsible for compliance with Chapter §213 and any condition of the approved plan through all phases of plan implementation. Failure to comply with any condition within this approval letter is a violation of Chapter §213 and is subject to administrative rule or orders and penalties as provided under §213.10 of this title (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. Upon legal transfer of this property, the new owner is required to comply with all terms of the approved Edwards Aquifer protection plan.

This action is taken as delegated by the executive director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Mr. Kevin Lee Smith, P.E. of the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929.

Sincerely,



Lillian Butler, Section Manager
Edwards Aquifer Protection Program
Texas Commission on Environmental Quality

LIB/kl

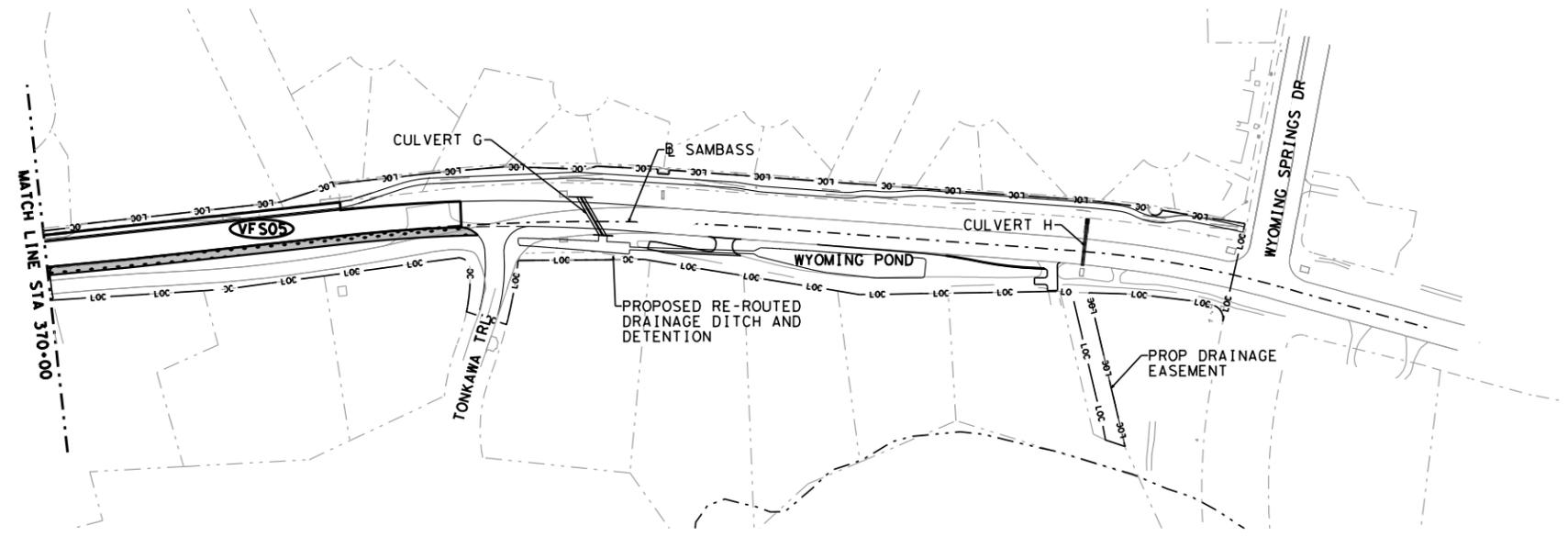
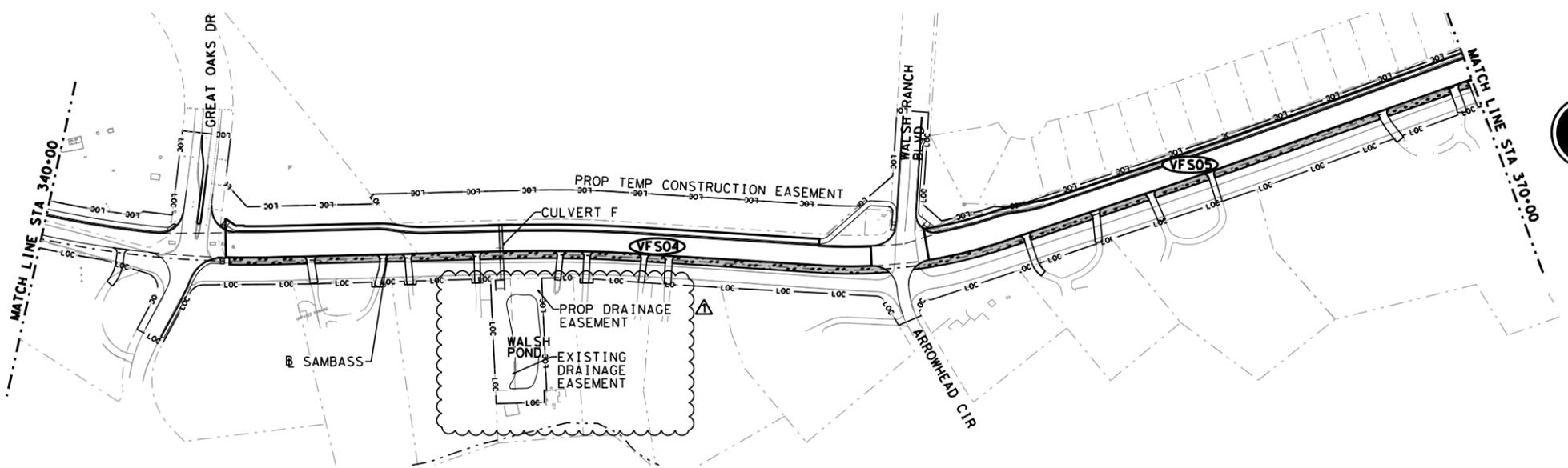
cc: Ms. Victoria Ortega, P.E., K Friese

ATTACHMENT B
NARRATIVE OF PROPOSED MODIFICATION

Williamson County proposes the reconstruction of the existing Corridor H (Sam Bass Road) to an arterial roadway consistent with the Williamson County Long-Range Transportation Plan. The project includes roadway construction and associated intersection improvements as well as bridge, a shared use path, and grading. The limits of the Project extend from FM 1431(Whitestone Blvd) to Wyoming Springs Drive and is in the Dry Fork watershed, contributing to Brushy Creek. The Project is located within the Edwards Aquifer Recharge Zone and Contributing Zone.

The proposed modification includes construction of a detention facility within a permanent drainage easement at 3803 Sam Bass Road. The proposed easement has been obtained by Williamson County and is 0.399 acres which will contain an earthen detention pond. No proposed impervious cover is proposed within the easement.

As no impervious cover is proposed, no modifications to permanent BMPs are proposed for this modification and the project is in compliance with the TCEQ design criteria, as described in RG-348, and achieves 80 percent removal of the post-construction increase in TSS loads.



LEGEND

- EXIST EDGE OF PAVEMENT
- PROP EDGE OF PAVEMENT
- - - EXIST RIGHT OF WAY
- - - PROP RIGHT OF WAY
- - - EXIST EASEMENT
- - - PROP EASEMENT
- LOC - PROJECT AREA
- ▨ VFS CONTRIBUTING AREA
- ▨ VEGETATIVE FILTER STRIP (VFS)

NOTES

1. UNPERMITTED BMPs ARE PROPOSED AT THE DRY FORK CREEK CROSSING IN RESPONSE TO RESIDENT CONCERNS. THESE BMPs WERE DESIGNED IN ACCORDANCE WITH TCEQ RG-348, BUT ARE NOT INCLUDED IN THE APPROVED TCEQ PERMIT.
2. OPTIONAL ENHANCED BMPs (RG-348A)
 - A. SENSITIVE FEATURES: FEATURES IDENTIFIED DURING CONSTRUCTION WILL BE PROTECTED DEPENDING ON THE TYPE OF FEATURE ENCOUNTERED IN ACCORDANCE WITH RG-348A AND VMD-18 (AUS) STANDARDS.
 - B. STREAM BUFFERS: A 300-FT BUFFER FROM THE STREAM CENTERLINE IS IDENTIFIED. EFFORTS TO MAINTAIN THE NATURAL ENVIRONMENT WITHIN THE BUFFER ZONE SHOULD BE TAKEN.
3. COAL TAR SEALANT WILL NOT BE USED ON ANY PORTION OF THIS PROJECT OR DURING MAINTENANCE POST-CONSTRUCTION.
4. COUNTY WILL CONDUCT CONTRACTOR AWARENESS TRAINING REGARDING THE LISTED ENDANGERED SPECIES IN THE AREA, AS WELL AS THE BMPs AND CONSERVATION MEASURES FOR THE PROJECT.

VEGETATIVE FILTER STRIPS NOTES:

1. THE SLOPE OF THE FILTER STRIP SHOULD NOT EXCEED 6:1.
2. THE MINIMUM DIMENSION OF THE FILTER STRIP (IN THE DIRECTION OF FLOW) SHOULD BE NO LESS THAN 15 FEET.
3. THE MINIMUM VEGETATED COVER FOR ENGINEERED STRIPS IS 80%.
4. THE AREA CONTRIBUTING RUNOFF TO A FILTER STRIP SHOULD BE RELATIVELY FLAT SO THAT THE RUNOFF IS DISTRIBUTED EVENLY TO THE VEGETATED AREA WITHOUT THE USE OF A LEVEL SPREADER.
5. THE AREA TO BE USED FOR THE FILTER STRIP SHOULD BE FREE OF GULLIES OR RILLS THAT CAN CONCENTRATE OVERLAND FLOW.
6. THE TOP EDGE OF THE FILTER STRIP ALONG THE PAVEMENT WILL BE DESIGNED TO AVOID THE SITUATION WHERE RUNOFF WOULD TRAVEL ALONG THE TOP OF THE FILTER STRIP, RATHER THAN THROUGH IT.
7. TOP EDGE OF THE FILTER STRIP SHOULD BE LEVEL, OTHERWISE RUNOFF WILL TEND TO FORM A CHANNEL IN THE LOW SPOT. A LEVEL SPREADER SHOULD NOT BE USED TO DISTRIBUTE RUNOFF TO AN ENGINEERED FILTER STRIP.
8. FILTER STRIPS SHOULD BE LANDSCAPED AFTER OTHER PORTIONS OF THE PROJECT ARE COMPLETED.

PROJECT AREA	44.07 AC
PRE-DEVELOPMENT IMPERVIOUS COVER	14.86 AC
POST-DEVELOPMENT IMPERVIOUS COVER	21.10 AC
TOTAL LOAD REMOVED REQUIRED	5431 LBS
TOTAL LOAD REMOVED PROVIDED	7604 LBS

VFS ID	BEGIN STATION	END STATION	BASIN AREA (AC)	LOAD REMOVED (LBS)
VFS01	287+25	297+96	1.34	1261
VFS02	298+45	309+23	1.35	1271
VFS03	314+18	324+35	1.26	1186
VFS04	343+81	357+07	1.70	1600
VFS05	358+25	377+45	2.43	2287
TOTAL			8.08	7604

REV. NO.	1	DATE	12/18/23	BY	VMD	DESCRIPTION	ADDITION OF WALSH POND

K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746
 WILLIAMSON COUNTY
 SAM BASS ROAD
 WATER QUALITY SITE PLAN
 STA 340+00 TO END

WILLIAMSON

SHEET 2 OF 2

SCALE	1"=300'
DATE	3/1/2024
SHEET NUMBER	413 OF 529

Edwards Aquifer Protection Program Roadway Application

Texas Commission on Environmental Quality

This application is intended only for projects which a major roadway is designed for construction, such as State highways, County roads, and City thoroughfares.

Designed for Regulated Activities on the Contributing Zone to the Edwards Aquifer in relation to 30 TAC §213.24, Regulated Activities on the Edwards Aquifer Recharge Zone, in relation to 30 TAC §213.5(b), Effective June 1, 1999.

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

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

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer.

The application was prepared by:

Print Name of Customer/Agent: Victoria Ortega, PE

Date: 09/16/2022

Signature of Customer/Agent:



Project Information

1. Regulated Entity (Project) Name: Sam Bass Road
2. County: Williamson
3. Stream Basin(s): Brushy Creek
4. Groundwater Conservation District (if applicable): n/a
5. Customer (Applicant):

Contact Person: Terron Evertson, PE

Entity: Williamson County

Mailing Address: 3151 SE Inner Loop

City, State: Georgetown Zip: 78626

Telephone: (512) 943-3330

Email Address: tevertson@wilco.org

6. Agent (Representative):

Contact Person: Victoria Ortega, PE
Entity: K Friese + Associates, Inc
Mailing Address: 1120 S Capital of Texas Highway, Bdg II, Ste 10
City, State: Austin, TX Zip: 78746
Telephone: (512) 338-1704
Email Address: vortega@kfriese.com

7. Landowner of R.O.W. (Right of Way)

Person or entity responsible for maintenance of water quality Best Management Practices (BMPs), if not applicant.

Contact Person: _____
Entity: _____
Mailing Address: _____
City, State: _____ Zip: _____
Telephone: _____
Email Address: _____

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

Survey marking will be completed by this date: _____

9. **Attachment A - Road Map.** A road map showing directions to and the location of the project site is attached. The map clearly shows the boundary of the project site.

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

- Project site boundaries
- USGS Quadrangle Name(s)
- All drainage paths from site to surface waters

11. **This project extends into (Check all that apply):**

- | | |
|--|---|
| <input checked="" type="checkbox"/> Recharge Zone (RZ) | <input type="checkbox"/> Contributing Zone within |
| <input checked="" type="checkbox"/> Contributing Zone (CZ) | Transition Zone (CZ/TZ) |
| <input type="checkbox"/> Transition Zone (TZ) | <input type="checkbox"/> Zone not regulated by EAPP |

12. **Attachment C - Project Description.** A detailed narrative description of the proposed project is attached. The project description is consistent throughout the application and contains, at a minimum, the following details:

- Complete site area [Acres]
- Offsite upgradient stormwater areas to be captured
- Impervious area [Acres]
- Permanent BMP(s)
- Proposed site use
- Existing roadway (paved and/or unpaved)
- Structures to be demolished [Include demo phase]
- Major interim phases

13. Existing project site conditions are noted below:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Existing paved and/or unpaved roads | <input type="checkbox"/> Existing commercial site |
| <input type="checkbox"/> Undeveloped (Cleared) | <input type="checkbox"/> Existing industrial site |
| <input type="checkbox"/> Undeveloped (Undisturbed/Not cleared) | <input type="checkbox"/> Existing residential site |
| | <input type="checkbox"/> Other: _____ |

14. **Attachment D - Factors Affecting Surface Water Quality.** A detailed description of all factors that could affect surface water quality is attached.

15. Only inert materials as defined by 30 TAC §330.3 will be used as fill material.

16. Type of pavement or road surface to be used:

- Concrete
- Asphaltic concrete pavement
- Permeable Friction Course (PFC)
- Other: _____

17. Right of Way (R.O.W.) and Pavement Area:

R.O.W. for project: 43.55 (ac.)

Length: 13,414.85 ft.

Width: varies from 94 ft. to 198 ft.

Impervious cover (IC): 20.95 (ac.)

Total of Pavement area 20.95 (ac.) ÷ R.O.W. area 43.55 (ac.) x 100 = 48.1% IC.

- CAD program was used to determine areas.
- Number of travel lanes: proposed: 3, existing: 2
- Typical widths of lanes: 12 (ft.)
- Are intersections also being improved? (Y/N) Y

Site Plan Requirements

Items 18 - 28 must be included on the Site Plan.

18. The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 300'
19. 100-year floodplain boundaries:
- Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled. The 100-year floodplain boundaries are based on the following specific (including date of material) source(s): FIRM Panel 48491C0470F (December 20, 2019).
 - No part of the project site is located within the 100-year floodplain.
20. A layout of the development with existing and finished contours at appropriate, but not greater than ten-foot contour intervals is shown. Sensitive features, lots, wells, buildings, roads, culverts, etc. are shown on the site plan.
21. A figure (map) indicating all paths of drainage from the site to surface waters.
- Name all stream crossings: Dry Fork
 - Drainage patterns and approximate slopes.
 - There will be no discharge to surface waters.
22. Distinguish between areas of soil disturbance and areas which will not be disturbed.
23. Show locations of major structural and nonstructural controls. These are the temporary and permanent best management practices. Include the following:
- Show design and location of any hazardous materials traps.
 - Show design at outfalls of major control structures and conveyances.
 - A description of the BMPs and measures that prevent pollutants from entering surface streams.
24. Show locations of staging areas or project specific locations (PSL). Are they:
- Onsite, within project R.O.W.
 - Offsite.
 - Not yet determined. (Requires future authorization)
25. Show locations where soil stabilization practices are expected to occur.
26. Show surface waters (including wetlands).
27. Temporary aboveground storage tank facilities:
- Temporary aboveground storage tank facilities will be located on this site. Show on site plan.
 - Temporary aboveground storage tank facilities will not be located on this site.
28. Plan(s) also include:
- | | |
|--|--|
| <input checked="" type="checkbox"/> Sidewalks | <input checked="" type="checkbox"/> Shared-use paths |
| <input checked="" type="checkbox"/> Related turn lanes | <input type="checkbox"/> Off-site improvements and staging areas |
| <input checked="" type="checkbox"/> Demolition plans | <input checked="" type="checkbox"/> Utility relocations |

Other improved areas: _____

Permanent Best Management Practices (BMPs)

Description of practices and measures that will be used after construction is completed.

29. Permanent BMPs and measures have been designed, and will be constructed, operated, and maintained to ensure 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 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: _____

30. **Attachment E - BMPs for Upgradient (Offsite) 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.

31. **Attachment F - 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.

32. **Attachment G - Construction Plans.** Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. Construction plans for the proposed permanent BMPs and measures are attached and include all proposed structural plans and specifications, and appropriate details.

Major bridge cross-sections, and roadway plan and profiles

BMP plans and details

Design calculations

Erosion control

TCEQ Construction Notes

SW3P

EPIC, as necessary

33. **Attachment H - Inspection, Maintenance, Repair and Retrofit Plan.** A site and BMP specific plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan fulfills all the following:
- Prepared and certified by the engineer designing the permanent BMPs and measures.
 - Signed by the owner or responsible party.
 - Outlines specific procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofit.
 - Contains a discussion of recordkeeping procedures.

34. **Attachment I - 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

35. **Attachment J - 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 effects caused by the regulated activity which increase erosion or may result in water quality degradation.

Include permanent spill measures used to contain hydrocarbons or hazardous substances by way of traps, or response contingencies.

36. 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.

If the applicant intends to transfer responsibility, check the box below.

Yes

A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days.

Stormwater to be generated by the Proposed Project

Description of practices and measures that will be used during construction.

37. The site description, controls, maintenance, and inspection requirements for the Storm Water Pollution Prevention Plan (SWPPP or SW3P) developed under the Texas Pollutant Discharge Elimination System (TPDES) general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) & §213.5(b) of the technical report.
- The Temporary Stormwater Section (TCEQ-0602) is included with the application.
 - The SWPPP (SW3P) will serve as the Temporary Stormwater Section (TCEQ-0602).
38. **Attachment K - Volume and Character of Stormwater.** A detailed description of the volume (quantity) and character (quality) of the stormwater runoff expected to occur from the proposed project is attached. The estimates of stormwater runoff quality and quantity are based on area and type of impervious cover.
- Include the pre-construction runoff coefficient.
 - Include the post-construction runoff coefficient.

Administrative Information

39. Submit one (1) original and one (1) copy of the application, plus one electronic copy as needed, for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ is required to distribute the additional copies to these jurisdictions.
40. The fee for the plan(s) is based on:
- The total R.O.W. (as in Item 17).
 - TxDOT roadway project.

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: Victoria Ortega, PE

Date: 09/16/2022

Signature of Customer/Agent:

Victoria M Ortega

Regulated Entity Name: Sam Bass Road

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: paints, acids, solvents, asphalt products, chemical additives, gasoline, concrete curing additives

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: Dry Fork/Brushy 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.

ATTACHMENT A SPILL RESPONSE ACTIONS

Spill prevention, control, clean-up, and reporting shall comply with TCEQ regulations 30 TAC, Chapter 327 – Spill prevention and control, attached, as well as any local regulations. The contractor will implement proper spill prevention measures and maintain appropriate spill response equipment on site. In the event of a hazardous materials spill, the safety of on-site personnel is the most important consideration. Once the safety of personnel is secured, the second priority becomes stopping the source of the spill. If it is safe to do so, the source of the spill will be stopped and the spill will be contained using items such as sand bags, berms or absorbent rolls.

If during the construction of the project (Temporary Stormwater Management) a hazardous substance or hydrocarbon spill of greater than 250 gallons occurs within the project limits, the contractor is to try to stop the spill from continuing, contact the local fire department, and the Engineer. If the spill is caused by the roadway contractor, the roadway contractor will be responsible for the proper clean-up of the spill as well as notifying the TCEQ Spill Reporting Hotline (1-800-832-8224). If a spill occurs within the project limits but is caused by a third party (someone from the traveling public driving through the project), the contractor and/or the Engineer shall immediately contact local law enforcement, the fire department, and the TCEQ Spill Reporting Hotline. The local fire department will immediately respond to the spill and secure the scene (stop the spill and prevent it from spreading). Williamson County will work with the responsible party to facilitate the clean-up of the spill on Williamson County property.

ATTACHMENT B POTENTIAL SOURCES OF CONTAMINATION

The potential sources of storm water pollution from the roadway improvements are displaced soil from the construction site from activities such as grading, clearing/grubbing, trenching, excavating, boring, and filling. Other potential sources include wastewater from portable bathrooms, litter generated during the construction process, de-watering from excavations, construction vehicles tracking onto roads, construction products and waste, and imported soils. There are also hazardous construction materials including fuel, chemicals such as automotive fluids and lubricants, curing additives, use of asphaltic products, and petroleum products from the operation of equipment on the site, and paints, all of which are potential sources of contamination.

The primary storm water contaminant expected to be generated during the construction project is the entrained solids (soil particles) which will affect the turbidity of the runoff. From this project, disturbed soils will result from:

1. Preparation of right-of-way
2. Removal of existing pavement structure
3. Driveway embankment grading
4. Roadway embankment grading
5. Excavation and embankment for ditch grading
6. Trenching for storm sewer and culvert construction
7. Imported soil for fill and topsoil

Increased sediment loading in the storm water can be attributed to: a) direct impingement of rain onto disturbed soil areas, sand, gravel and rock areas where rains dislodge or entrain particles; b) erosion of disturbed soil areas; c) the transfer of soils and particulate matter via equipment or vehicle tires onto non-disturbed areas where they are wasted into drainage ditches or sheet flow offsite.

There is a potential for hydrocarbon contamination in the form of oil and grease from equipment, vehicles, and from fuel spillage on the site. Oil and grease are typically released into the environment because of equipment failure or maintenance operations. Most construction equipment operates hydraulically; there is a potential that the release of hydraulic fluids may occur. The clean-up and containment of any fuels, hydraulic fluids, hydrocarbons, or other hazardous substances released on site will be the responsibility of the contractor.

Entrained solids in runoff during the construction phase will largely be mitigated by BMPs such as erosion control logs, rock filter dams, and temporary seeding as shown in the Erosion and Sedimentation Control Plans included in *20872-Attachment G: Construction Plans*.

ATTACHMENT C SEQUENCE OF MAJOR ACTIVITIES

The general order of construction activities is included in the Erosion and Sedimentation Control Plans. The detailed construction sequence is included in the Traffic Control Narrative. Both can be found in *20872-Attachment F: Construction Plans*. Temporary control measures include erosion control logs, rock filter dams, and construction exits and will be installed first in the sequence of construction and removed after all site work is complete and vegetation has been established.

For construction activity, an estimate of the total area to be disturbed is shown below:

1. Installation of temporary erosion and sedimentation controls: 43.37 acres
2. Clearing, grubbing and excavation: 28.51 acres
3. Construction of roadway base, storm sewer, driveways, asphalt pavement: 21.10 acres
4. Site restoration: 43.37 acres
5. Seeding, re-vegetation: 22.27 acres
6. Removal of temporary erosion and sedimentation controls: 43.37 acres

ATTACHMENT D
TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES

Temporary BMPs will be installed before any construction activities begin and removed after all construction work and re-vegetation is complete. Refer to *0602-Attachment C: Sequence of Construction* for more information on construction activities and sequence. Refer to *20872-Attachment G: Construction Plans* for the proposed erosion and sedimentation control construction plan sheets showing the location and types of temporary BMPs proposed for the project.

Comingling of upgradient flows with onsite runoff contributing to BMPs is minimized due to the proposed roadsides channels and storm sewer and shared use path construction, preventing impacts to upgradient flow. Three cross culverts and the bridge crossing are proposed for conveyance of upgradient flow through the project site.

BMPs for onsite flows will prevent pollution of surface streams by filtering and detaining pollutant ridden water. These BMPs include sediment control fence, erosion control logs, rock filter dams, and stabilized construction exits. Immediately following the placement of topsoil, seeding will be implemented to stabilize areas post-construction.

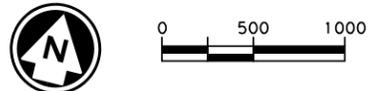
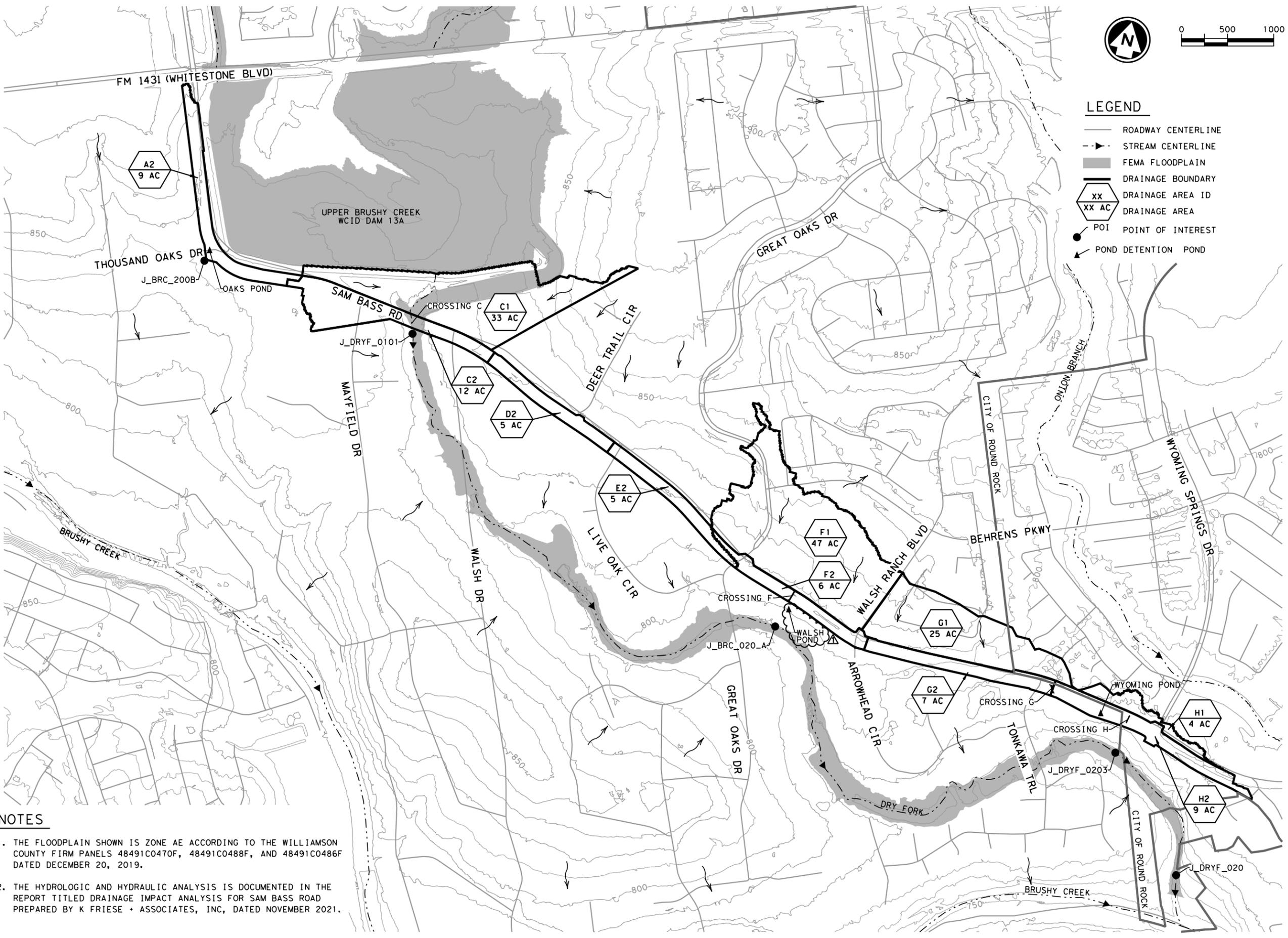
ATTACHMENT F STRUCTURAL PRACTICES

Temporary structural practices used to limit runoff discharge pollutants include sediment control fence, erosion control logs, rock filter dams, and stabilized construction exits.

The TCEQ general guidelines included in Section 1.2 to Section 1.4 of RG-348 must be followed for installation and maintenance of temporary structural erosion and sediment control BMPs. Additional guidelines can also be found on the Erosion and Sedimentation Control Plans included in *20872-Attachment G: Construction Plans*.

**ATTACHMENT G
DRAINAGE AREA MAP**

The Offsite and Onsite Drainage Area Maps are included.



- LEGEND**
- ROADWAY CENTERLINE
 - - - STREAM CENTERLINE
 - FEMA FLOODPLAIN
 - ▭ DRAINAGE BOUNDARY
 - XX DRAINAGE AREA ID
 - XX AC DRAINAGE AREA
 - POI POINT OF INTEREST
 - ◐ POND DETENTION POND

NOTES

1. THE FLOODPLAIN SHOWN IS ZONE AE ACCORDING TO THE WILLIAMSON COUNTY FIRM PANELS 48491C0470F, 48491C0488F, AND 48491C0486F DATED DECEMBER 20, 2019.
2. THE HYDROLOGIC AND HYDRAULIC ANALYSIS IS DOCUMENTED IN THE REPORT TITLED DRAINAGE IMPACT ANALYSIS FOR SAM BASS ROAD PREPARED BY K FRIESE + ASSOCIATES, INC, DATED NOVEMBER 2021.

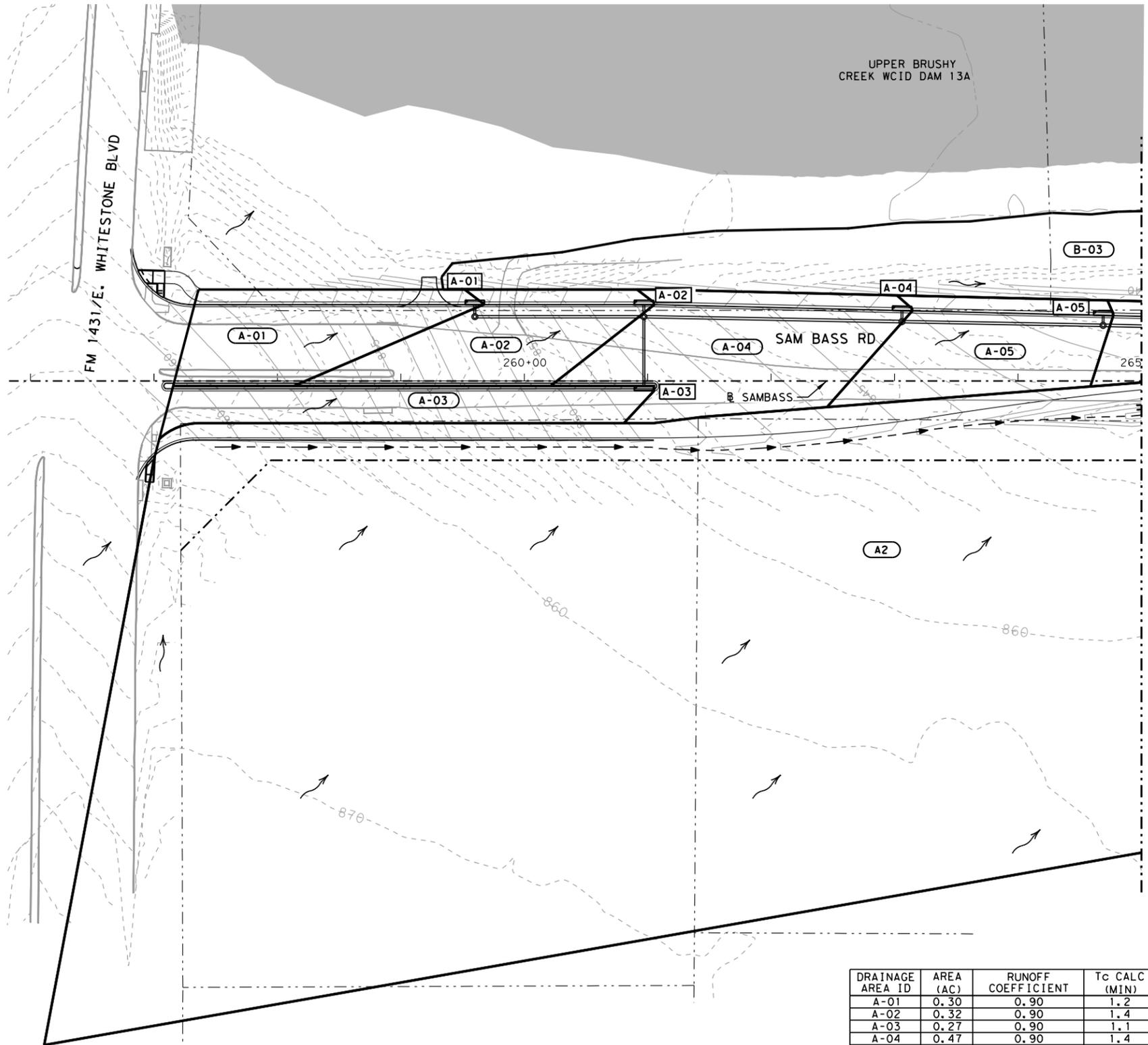
REV. NO.	DATE	BY	REVISION DESCRIPTION
1	12/18/23	WMO	ADDITION OF WALSH POND

Victoria M. Ortega
 12/18/23

K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746
WILLIAMSON COUNTY
 SAM BASS ROAD
OFFSITE DRAINAGE AREA MAP



WILLIAMSON	
SHEET 1 OF 1	
SCALE	1"=1000'
DATE	12/18/2023
SHEET NUMBER	199 OF 529



LEGEND

- EXIST EDGE OF PAVEMENT
- PROP EDGE OF PAVEMENT
- - - EXIST CONTOURS
- - - PROP CONTOURS
- - - EXIST RIGHT OF WAY/PROPERTY LINE
- - - PROP RIGHT OF WAY
- - - STREAM CENTERLINE
- - - DITCH CENTERLINE
- FEMA FLOODPLAIN
- DRAINAGE BOUNDARY
- ⓧ DRAINAGE AREA ID
- ⓧ DRAINAGE NODE

NOTES

1. DRAINAGE AREAS SHOWN ON THIS MAP ARE FOR INTERNAL STORM SEWER DESIGN ONLY. REFER TO THE OFFSITE DRAINAGE AREA MAP FOR CROSS CULVERT DESIGN.
2. PEAK FLOWS WERE COMPUTED USING THE RATIONAL METHOD FOR ONSITE DRAINAGE AREAS AND THE SCS UNIT HYDROGRAPH METHOD FOR OFFSITE DRAINAGE AREAS.

DRAINAGE AREA ID	AREA (AC)	RUNOFF COEFFICIENT	Tc CALC (MIN)	Tc USED (MIN)	L _e (IN/HR)	Q _p (CFS)
A-01	0.30	0.90	1.2	10.0	7.32	2.0
A-02	0.32	0.90	1.4	10.0	7.32	2.1
A-03	0.27	0.90	1.1	10.0	7.32	1.8
A-04	0.47	0.90	1.4	10.0	7.32	3.1
A-05	0.33	0.90	1.4	10.0	7.32	2.2
B-03	3.91	0.35	1.0	10.0	7.32	10.0

DRAINAGE AREA ID	AREA (AC)	CN	IMP COVER (%)	T _c (MIN)	Q _p (CFS)
A2	14.10	63	12	13.1	17.9

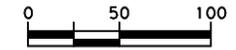
REV. NO.	BY	DATE	REVISION DESCRIPTION



K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746
 WILLIAMSON COUNTY
 SAM BASS ROAD
 ONSITE DRAINAGE AREA MAP
 BEGIN TO STA 265+00



WILLIAMSON	
SHEET 1 OF 14	
SCALE	1"=100'
DATE	10/30/2022
SHEET NUMBER	202 OF 529

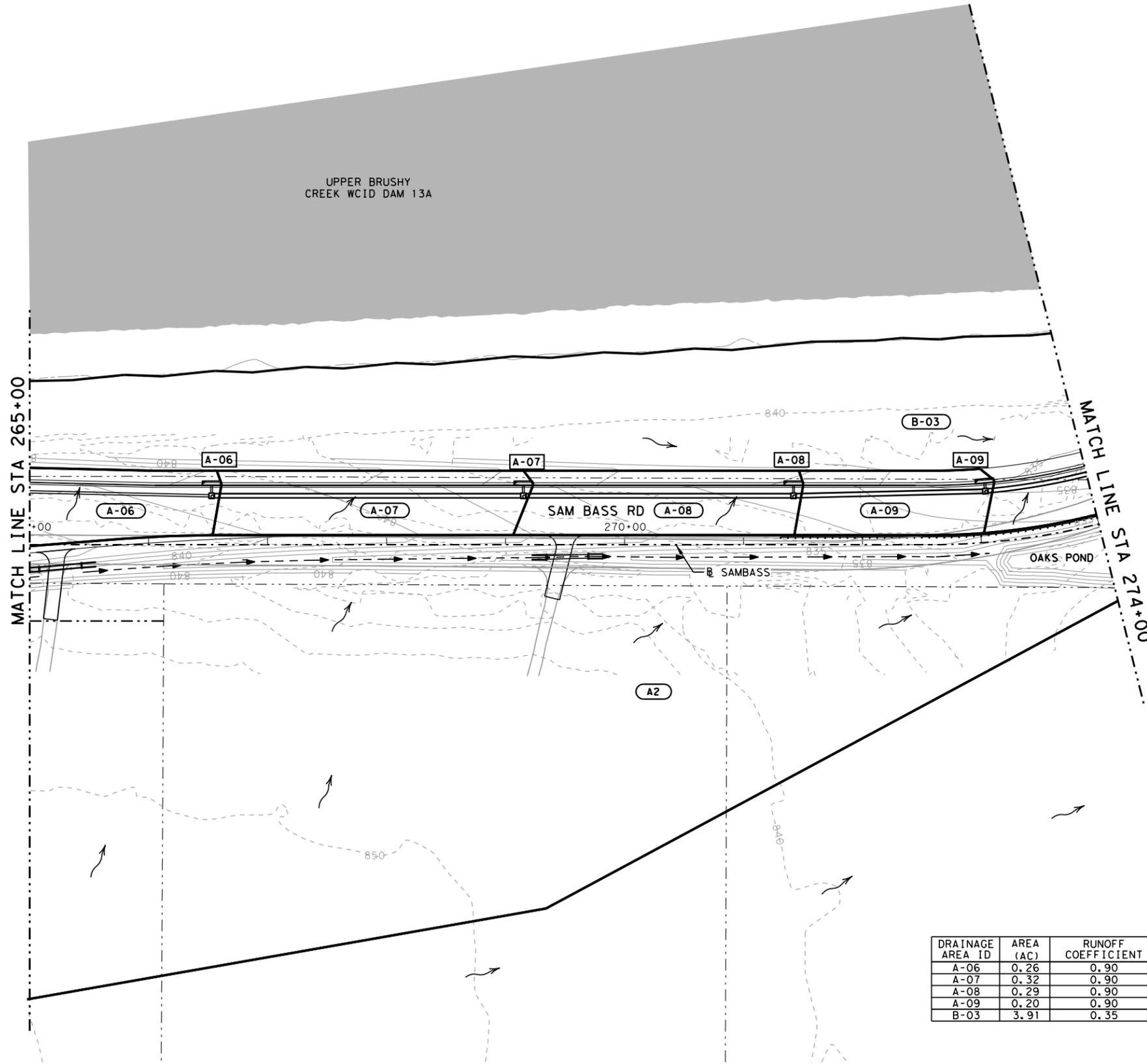


LEGEND

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- PROP EDGE OF PAVEMENT
- - - EXIST CONTOURS
- PROP CONTOURS
- - - EXIST RIGHT OF WAY/PROPERTY LINE
- - - PROP RIGHT OF WAY
- - - STREAM CENTERLINE
- ← DITCH CENTERLINE
- FEMA FLOODPLAIN
- DRAINAGE BOUNDARY
- ⓧ DRAINAGE AREA ID
- ⓧ DRAINAGE NODE

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DRAINAGE AREA ID	AREA (AC)	RUNOFF COEFFICIENT	Tc CALC (MIN)	Tc USED (MIN)	I ₁₀ (IN/HR)	Q ₁₀ (CFS)
A-06	0.26	0.90	2.4	10.0	7.32	1.7
A-07	0.32	0.90	1.5	10.0	7.32	2.1
A-08	0.29	0.90	1.4	10.0	7.32	1.9
A-09	0.20	0.90	1.4	10.0	7.32	1.3
B-03	3.91	0.35	1.0	10.0	7.32	10.0

DRAINAGE AREA ID	AREA (AC)	CN	IMP COVER (%)	T _{10g} (MIN)	Q ₁₀ (CFS)
A2	14.10	63	12	13.1	17.9

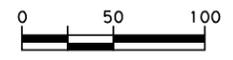
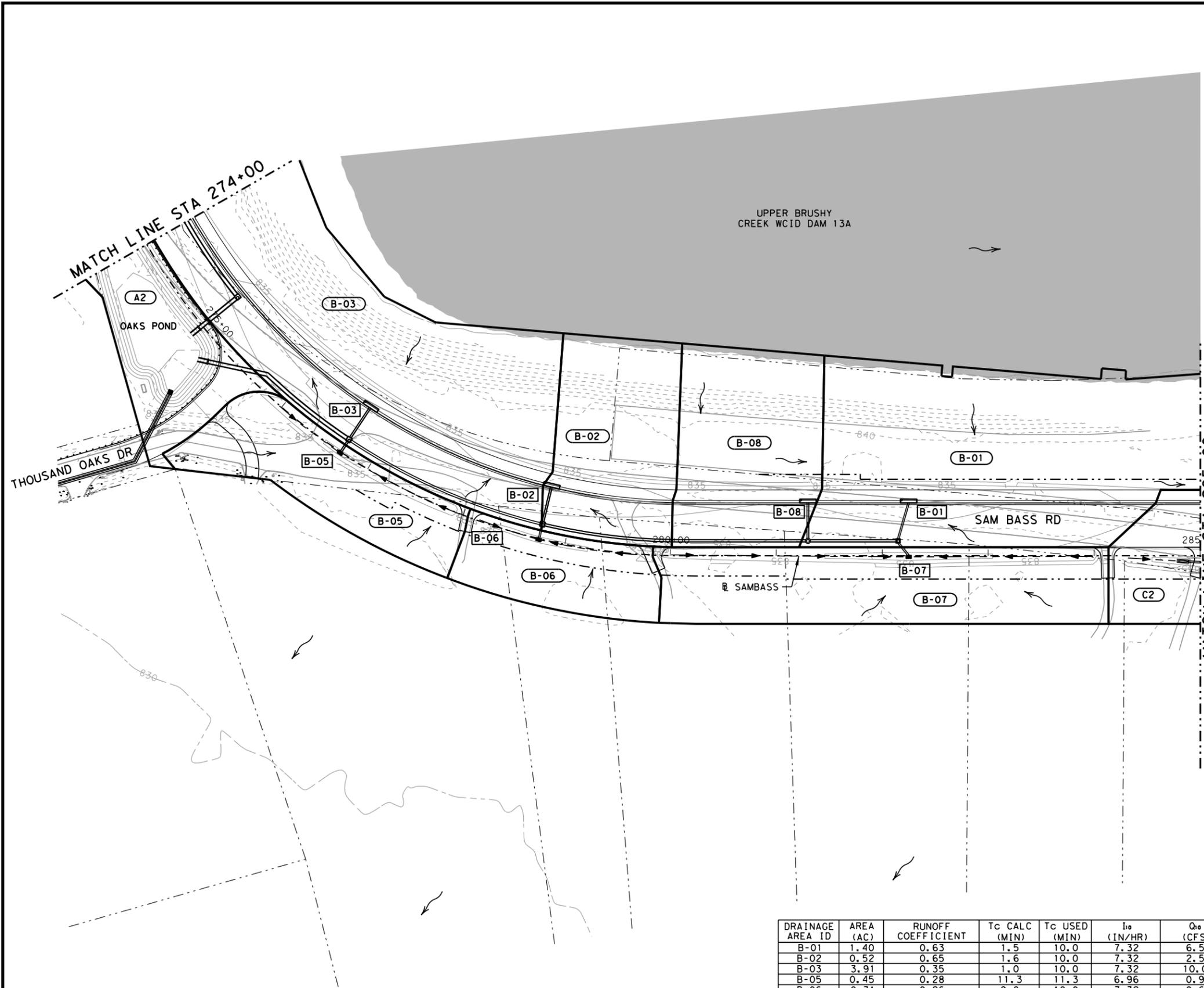
REV. NO.	BY	DATE	REVISION DESCRIPTION



K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746
 WILLIAMSON COUNTY
 SAM BASS ROAD
 ONSITE DRAINAGE AREA MAP
 STA 265+00 TO STA 274+00



WILLIAMSON	
SHEET 2 OF 14	
SCALE	1"=100'
DATE	10/30/2022
SHEET NUMBER	203 OF 529



LEGEND

- EXIST EDGE OF PAVEMENT
- PROP EDGE OF PAVEMENT
- - - EXIST CONTOURS
- PROP CONTOURS
- - - EXIST RIGHT OF WAY/PROPERTY LINE
- - - PROP RIGHT OF WAY
- - - STREAM CENTERLINE
- - - DITCH CENTERLINE
- FEMA FLOODPLAIN
- DRAINAGE BOUNDARY
- ⓧ DRAINAGE AREA ID
- ⓧ DRAINAGE NODE

NOTES

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DRAINAGE AREA ID	AREA (AC)	RUNOFF COEFFICIENT	Tc CALC (MIN)	Tc USED (MIN)	I ₁₀ (IN/HR)	Q ₁₀ (CFS)
B-01	1.40	0.63	1.5	10.0	7.32	6.5
B-02	0.52	0.65	1.6	10.0	7.32	2.5
B-03	3.91	0.35	1.0	10.0	7.32	10.0
B-05	0.45	0.28	11.3	11.3	6.96	0.9
B-06	0.31	0.26	9.8	10.0	7.32	0.6
B-07	0.70	0.24	12.2	12.2	6.75	1.1
B-08	0.57	0.63	1.5	10.0	7.32	2.6

DRAINAGE AREA ID	AREA (AC)	CN	IMP COVER (%)	T ₁₀₀ (MIN)	Q ₁₀ (CFS)
A2	14.10	63	12	13.1	17.9
C2	12.31	65	48	6.0	20.4

REV. NO.	DATE	BY	DESCRIPTION

Victoria M Ortega
 STATE OF TEXAS
 VICTORIA M ORTEGA
 113096
 LICENSED PROFESSIONAL ENGINEER
 10/31/2022

K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
 SAM BASS ROAD

ONSITE DRAINAGE AREA MAP
 STA 274+00 TO STA 285+00



WILLIAMSON

SHEET 3 OF 14

SCALE 1"=100'

DATE 10/30/2022

SHEET NUMBER 204 OF 529



LEGEND

- EXIST EDGE OF PAVEMENT
- PROP EDGE OF PAVEMENT
- - - EXIST CONTOURS
- - - PROP CONTOURS
- - - EXIST RIGHT OF WAY/PROPERTY LINE
- - - PROP RIGHT OF WAY
- - - STREAM CENTERLINE
- - - DITCH CENTERLINE
- FEMA FLOODPLAIN
- DRAINAGE BOUNDARY
- (XX) DRAINAGE AREA ID
- [XX] DRAINAGE NODE

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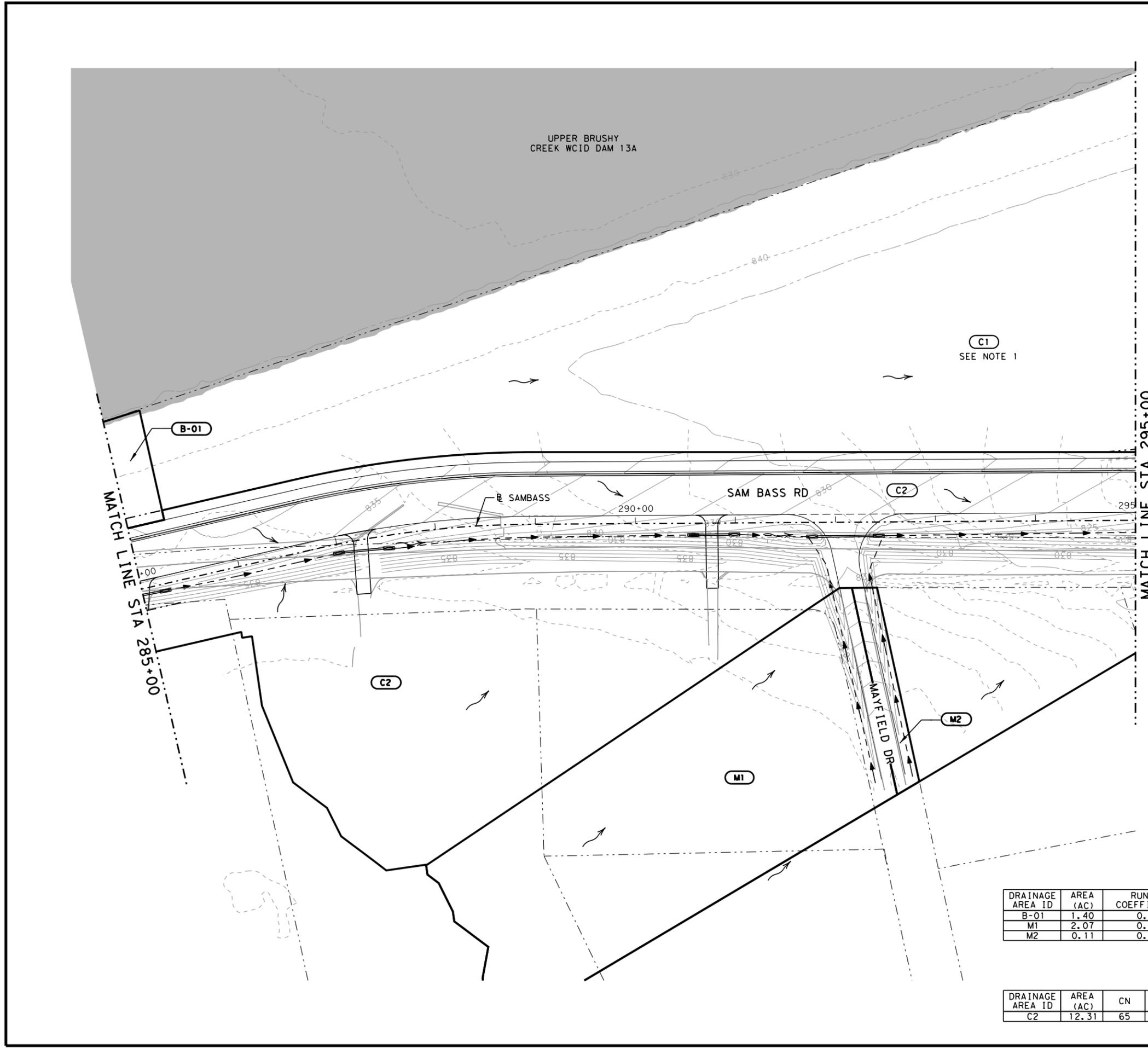
REV. NO.	BY	DATE	REVISION DESCRIPTION



K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746
 WILLIAMSON COUNTY
 SAM BASS ROAD
 ONSITE DRAINAGE AREA MAP
 STA 285+00 TO STA 295+00

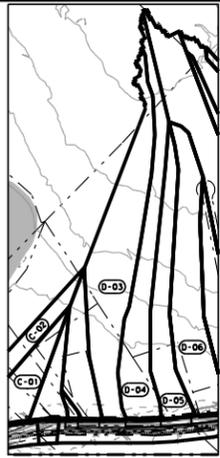


WILLIAMSON	
SHEET 4 OF 14	
SCALE	1"=100'
DATE	10/30/2022
SHEET NUMBER	205 OF 529



DRAINAGE AREA ID	AREA (AC)	RUNOFF COEFFICIENT	Tc CALC (MIN)	Tc USED (MIN)	I. (IN/HR)	Q. (CFS)
B-01	1.40	0.63	1.5	10.0	7.32	6.5
M1	2.07	0.60	16.9	16.9	6.0	7.5
M2	0.11	0.90	3.1	10.0	7.3	0.7

DRAINAGE AREA ID	AREA (AC)	CN	IMP COVER (%)	T. (MIN)	Q. (CFS)
C2	12.31	65	48	6.0	20.4



SEE INSET

SEE INSET



LEGEND

- EXIST EDGE OF PAVEMENT
- PROP EDGE OF PAVEMENT
- - - EXIST CONTOURS
- - - PROP CONTOURS
- - - EXIST RIGHT OF WAY/PROPERTY LINE
- - - PROP RIGHT OF WAY
- - - STREAM CENTERLINE
- - - DITCH CENTERLINE
- FEMA FLOODPLAIN
- DRAINAGE BOUNDARY
- (XX) DRAINAGE AREA ID
- [XX] DRAINAGE NODE

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(C1)
SEE NOTE 1

(C-02)

(C-01)

(D-03)

(D-04)

(D-05)

(D-06)

(D-01)

(D-02)

(D-03)

(D-04)

(D-05)

MATCH LINE STA 305+00

MATCH LINE STA 315+00

(C2)

SAM BASS RD

PROP TEMP CONSTRUCTION EASEMENT

SAMBASS

(D-08)

DRAINAGE AREA ID	AREA (AC)	RUNOFF COEFFICIENT	Tc CALC (MIN)	Tc USED (MIN)	L _r (IN/HR)	Q _p (CFS)
D-08	3.59	0.52	9.6	10.0	7.32	13.7

DRAINAGE AREA ID	AREA (AC)	CN	IMP COVER (%)	T _r (MIN)	Q _p (CFS)
C-01	2.57	65	16	13.8	6.1
C-02	2.36	65	16	6.9	7.0
D-01	1.27	65	16	10.3	3.4
D-02	0.15	65	16	6.3	0.5
D-03	2.14	65	16	9.5	5.8
D-04	7.51	65	16	14.8	17.2
D-05	5.15	65	16	15.0	11.8
D-06	3.68	65	16	8.9	10.2
C2	12.31	65	48	6.0	20.4

REV. NO.	BY	DATE	REVISION DESCRIPTION

REV. NO.	BY	DATE	REVISION DESCRIPTION



K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746
 WILLIAMSON COUNTY
 SAM BASS ROAD
 ONSITE DRAINAGE AREA MAP
 STA 305+00 TO STA 315+00



WILLIAMSON

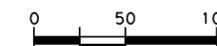
SHEET 6 OF 14

SCALE 1"=100'

DATE 10/30/2022

SHEET NUMBER 207 OF 529

SEE INSET



LEGEND

- EXIST EDGE OF PAVEMENT
- PROP EDGE OF PAVEMENT
- - - EXIST CONTOURS
- - - PROP CONTOURS
- - - EXIST RIGHT OF WAY/PROPERTY LINE
- - - PROP RIGHT OF WAY
- - - STREAM CENTERLINE
- ← DITCH CENTERLINE
- FEMA FLOODPLAIN
- DRAINAGE BOUNDARY
- ⓧ DRAINAGE AREA ID
- ⓧ DRAINAGE NODE

NOTES

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REV. NO.	BY	DATE	REVISION DESCRIPTION



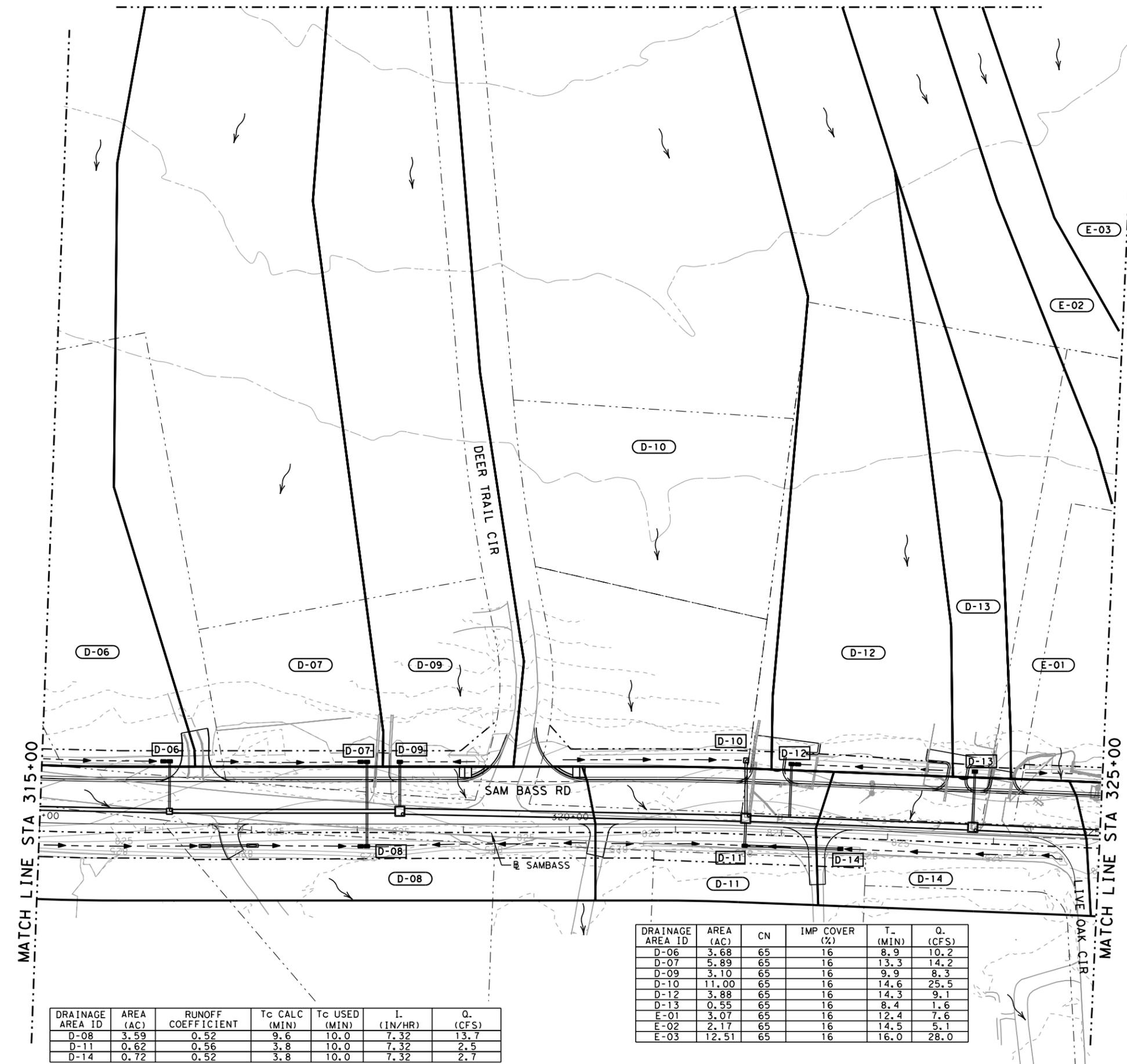
K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
 SAM BASS ROAD

ONSITE DRAINAGE AREA MAP
 STA 315+00 TO STA 325+00

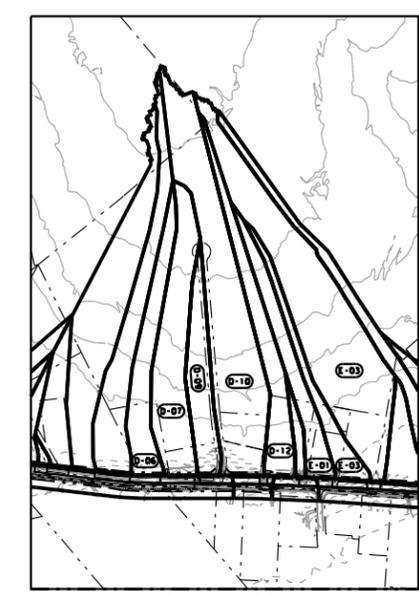


WILLIAMSON	
SHEET 7 OF 14	
SCALE	1"=100'
DATE	10/30/2022
SHEET NUMBER	208 OF 529



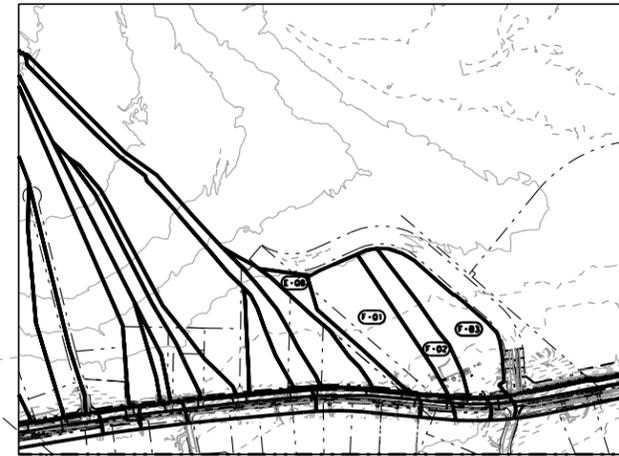
DRAINAGE AREA ID	AREA (AC)	RUNOFF COEFFICIENT	Tc CALC (MIN)	Tc USED (MIN)	L (IN/HR)	Q (CFS)
D-08	3.59	0.52	9.6	10.0	7.32	13.7
D-11	0.62	0.56	3.8	10.0	7.32	2.5
D-14	0.72	0.52	3.8	10.0	7.32	2.7

DRAINAGE AREA ID	AREA (AC)	CN	IMP COVER (%)	T _r (MIN)	Q (CFS)
D-06	3.68	65	16	8.9	10.2
D-07	5.89	65	16	13.3	14.2
D-09	3.10	65	16	9.9	8.3
D-10	11.00	65	16	14.6	25.5
D-12	3.88	65	16	14.3	9.1
D-13	0.55	65	16	8.4	1.6
E-01	3.07	65	16	12.4	7.6
E-02	2.17	65	16	14.5	5.1
E-03	12.51	65	16	16.0	28.0



SEE INSET

SEE INSET



SEE INSET

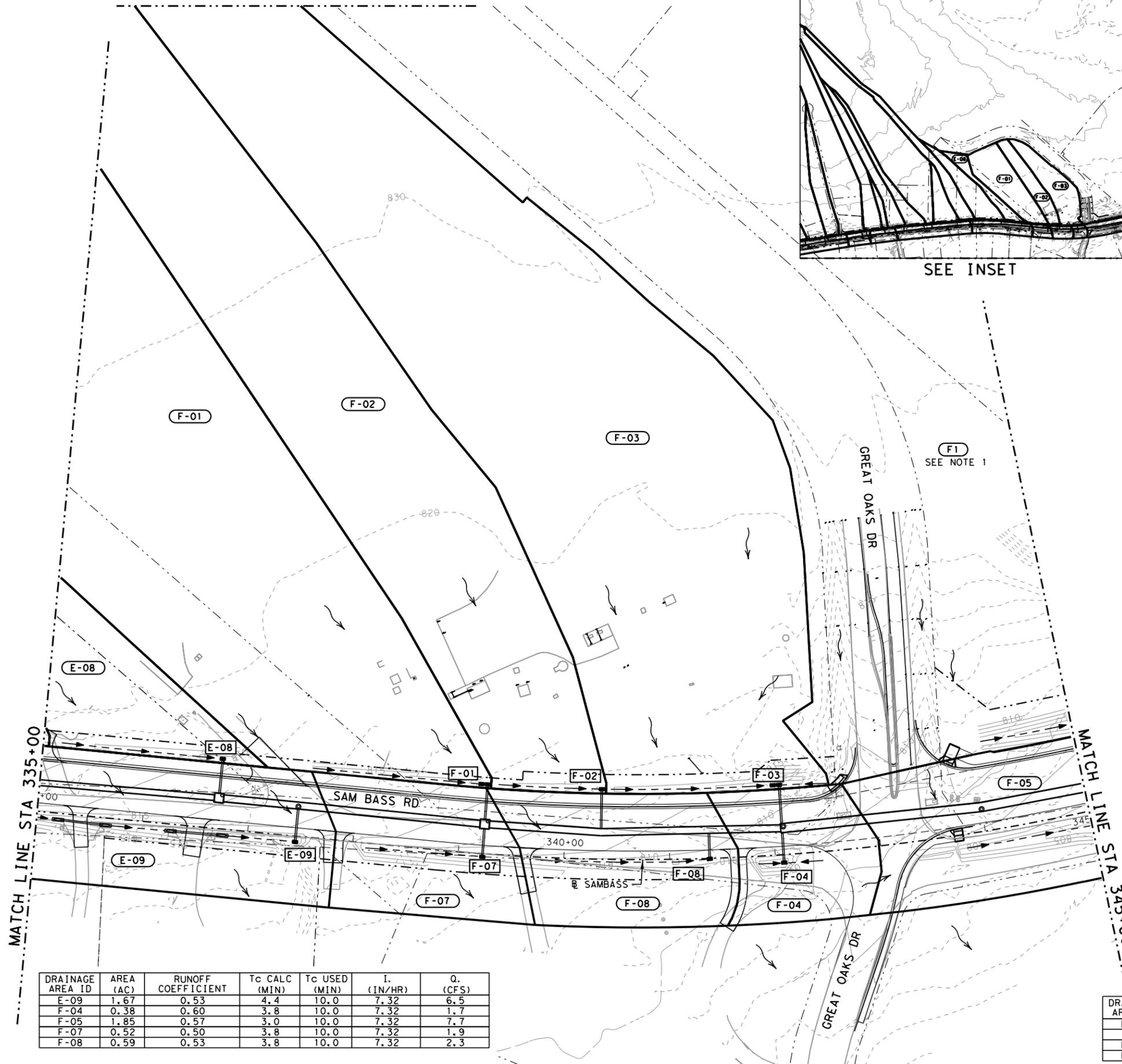


LEGEND

- EXIST EDGE OF PAVEMENT
- PROP EDGE OF PAVEMENT
- - - EXIST CONTOURS
- - - PROP CONTOURS
- - - EXIST RIGHT OF WAY/PROPERTY LINE
- - - PROP RIGHT OF WAY
- - - STREAM CENTERLINE
- ← DITCH CENTERLINE
- FEMA FLOODPLAIN
- DRAINAGE BOUNDARY
- (XX) DRAINAGE AREA ID
- [XX] DRAINAGE NODE

NOTES

1. DRAINAGE AREAS SHOWN ON THIS MAP ARE FOR INTERNAL STORM SEWER DESIGN ONLY. REFER TO THE OFFSITE DRAINAGE AREA MAP FOR CROSS CULVERT DESIGN.
2. PEAK FLOWS WERE COMPUTED USING THE RATIONAL METHOD FOR ONSITE DRAINAGE AREAS AND THE SCS UNIT HYDROGRAPH METHOD FOR OFFSITE DRAINAGE AREAS.



DRAINAGE AREA ID	AREA (AC)	RUNOFF COEFFICIENT	Tc CALC (MIN)	Tc USED (MIN)	I. (IN/HR)	Q. (CFS)
E-09	1.67	0.53	4.4	10.0	7.32	6.5
F-04	0.38	0.60	3.8	10.0	7.32	1.7
F-05	1.85	0.57	3.0	10.0	7.32	7.7
F-07	0.52	0.50	3.8	10.0	7.32	1.9
F-08	0.59	0.53	3.8	10.0	7.32	2.3

DRAINAGE AREA ID	AREA (AC)	CN	IMP COVER (%)	T _c (MIN)	Q. (CFS)
E-08	1.74	65	16	9.3	4.8
F-01	5.47	65	22	12.3	14.3
F-02	2.70	65	22	9.4	7.8
F-03	4.29	65	22	10.5	11.9

REVISION DESCRIPTION

REV. NO.	DATE	BY

Victoria M Ortega

 10/31/2022

K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
 SAM BASS ROAD

ONSITE DRAINAGE AREA MAP
 STA 335+00 TO STA 345+00

K·FRIESE + ASSOCIATES
 PUBLIC PROJECT ENGINEERING
 (FIRM # 6535)

WILLIAMSON COUNTY
 1848

WILLIAMSON

SHEET 9 OF 14

SCALE 1"=100'

DATE 10/30/2022

SHEET NUMBER **210** OF 529

DRAINAGE AREA ID	AREA (AC)	RUNOFF COEFFICIENT	Tc CALC (MIN)	Tc USED (MIN)	L _s (IN/HR)	Q _p (CFS)
F-05	1.85	0.57	3.0	10.0	7.32	7.7
F-06	2.53	0.46	8.8	10.0	7.32	8.5



LEGEND

- EXIST EDGE OF PAVEMENT
- PROP EDGE OF PAVEMENT
- - - EXIST CONTOURS
- PROP CONTOURS
- - - EXIST RIGHT OF WAY/PROPERTY LINE
- - - PROP RIGHT OF WAY
- - - STREAM CENTERLINE
- - - DITCH CENTERLINE
- FEMA FLOODPLAIN
- DRAINAGE BOUNDARY
- (XX) DRAINAGE AREA ID
- [XX] DRAINAGE NODE

NOTES

- DRAINAGE AREAS SHOWN ON THIS MAP ARE FOR INTERNAL STORM SEWER DESIGN ONLY. REFER TO THE OFFSITE DRAINAGE AREA MAP FOR CROSS CULVERT DESIGN.
- PEAK FLOWS WERE COMPUTED USING THE RATIONAL METHOD FOR ONSITE DRAINAGE AREAS AND THE SCS UNIT HYDROGRAPH METHOD FOR OFFSITE DRAINAGE AREAS.

REV. NO.	DATE	BY	REVISION DESCRIPTION
1	12/18/23	WMO	ADDITION OF WALSH POND



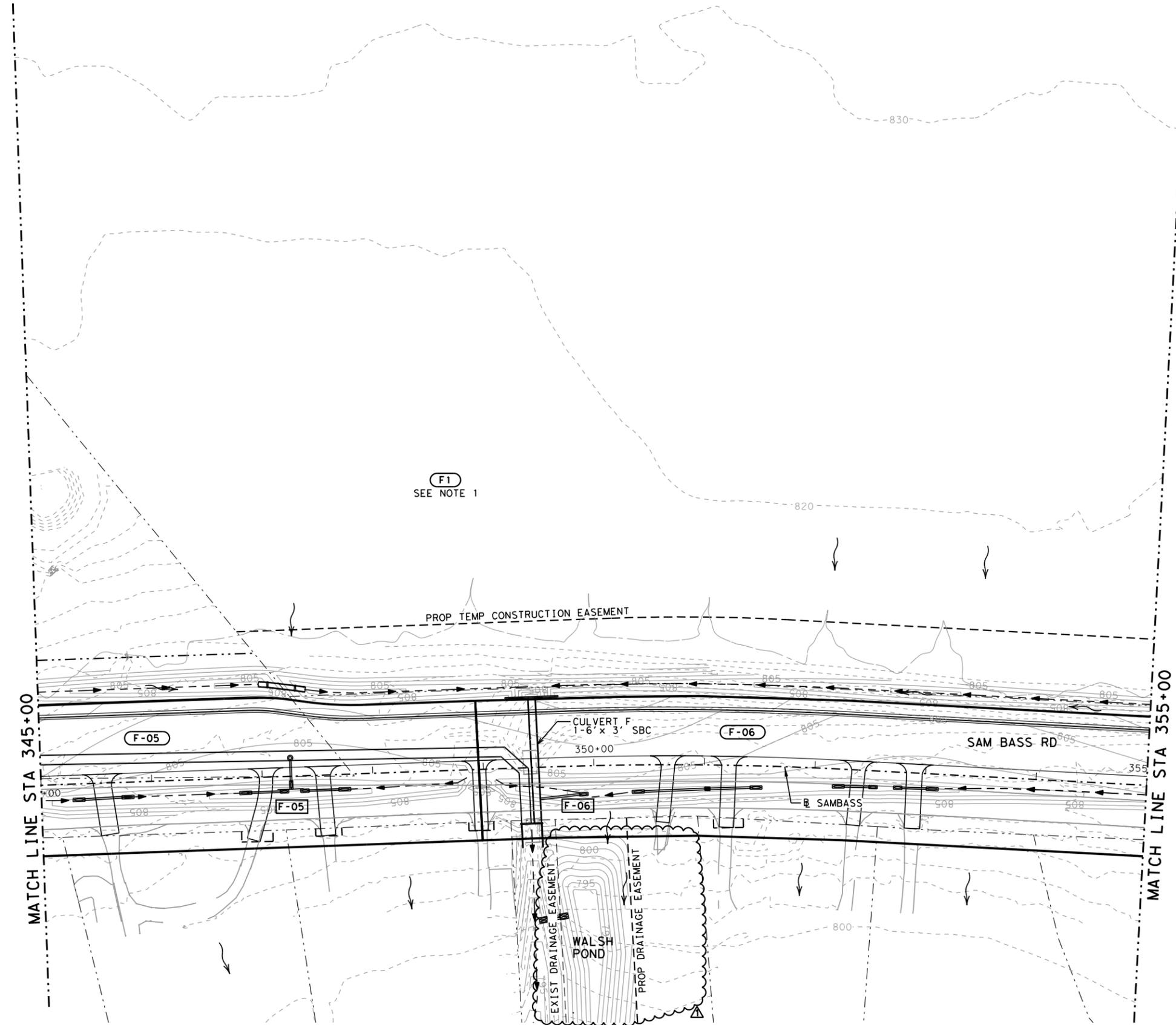
K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
 SAM BASS ROAD

ONSITE DRAINAGE AREA MAP
 STA 345+00 TO STA 355+00



WILLIAMSON	
SHEET 10 OF 14	
SCALE	1"=100'
DATE	12/18/2023
SHEET NUMBER	211 OF 529



DRAINAGE AREA ID	AREA (AC)	CN	IMP COVER (%)	T ₁₀₀ (MIN)	Q ₁₀ (CFS)
G2	6.88	65	41	6.0	15.4
H2	8.87	65	40	12.8	16.3



LEGEND

- EXIST EDGE OF PAVEMENT
- PROP EDGE OF PAVEMENT
- - - EXIST CONTOURS
- - - PROP CONTOURS
- - - EXIST RIGHT OF WAY/PROPERTY LINE
- - - PROP RIGHT OF WAY
- - - STREAM CENTERLINE
- - - DITCH CENTERLINE
- FEMA FLOODPLAIN
- DRAINAGE BOUNDARY
- (XX) DRAINAGE AREA ID
- [XX] DRAINAGE NODE

NOTES

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- PEAK FLOWS WERE COMPUTED USING THE RATIONAL METHOD FOR ONSITE DRAINAGE AREAS AND THE SCS UNIT HYDROGRAPH METHOD FOR OFFSITE DRAINAGE AREAS.

REV. NO.	BY	DATE	REVISION DESCRIPTION



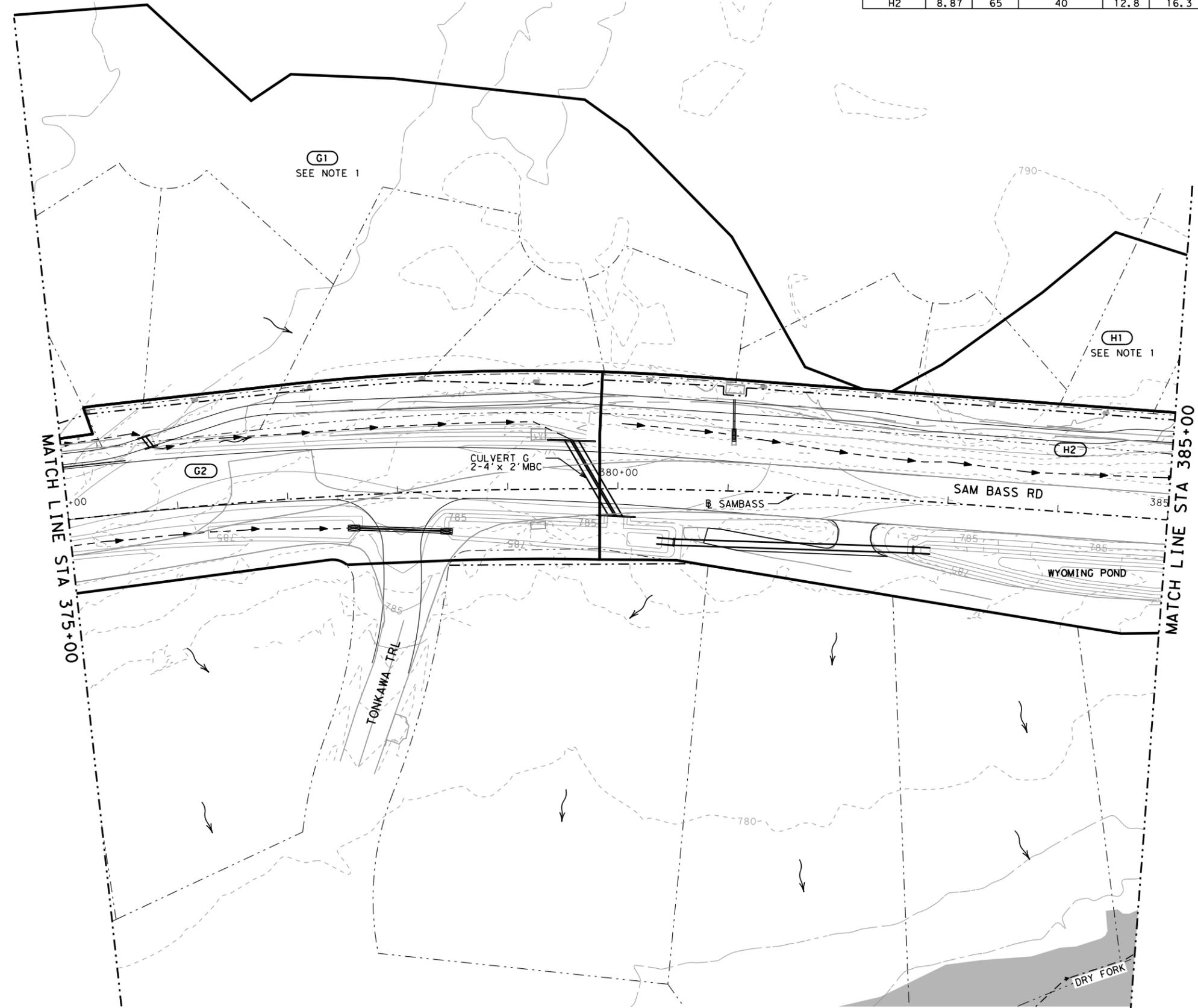
K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
 SAM BASS ROAD

ONSITE DRAINAGE AREA MAP
 STA 375+00 TO STA 385+00

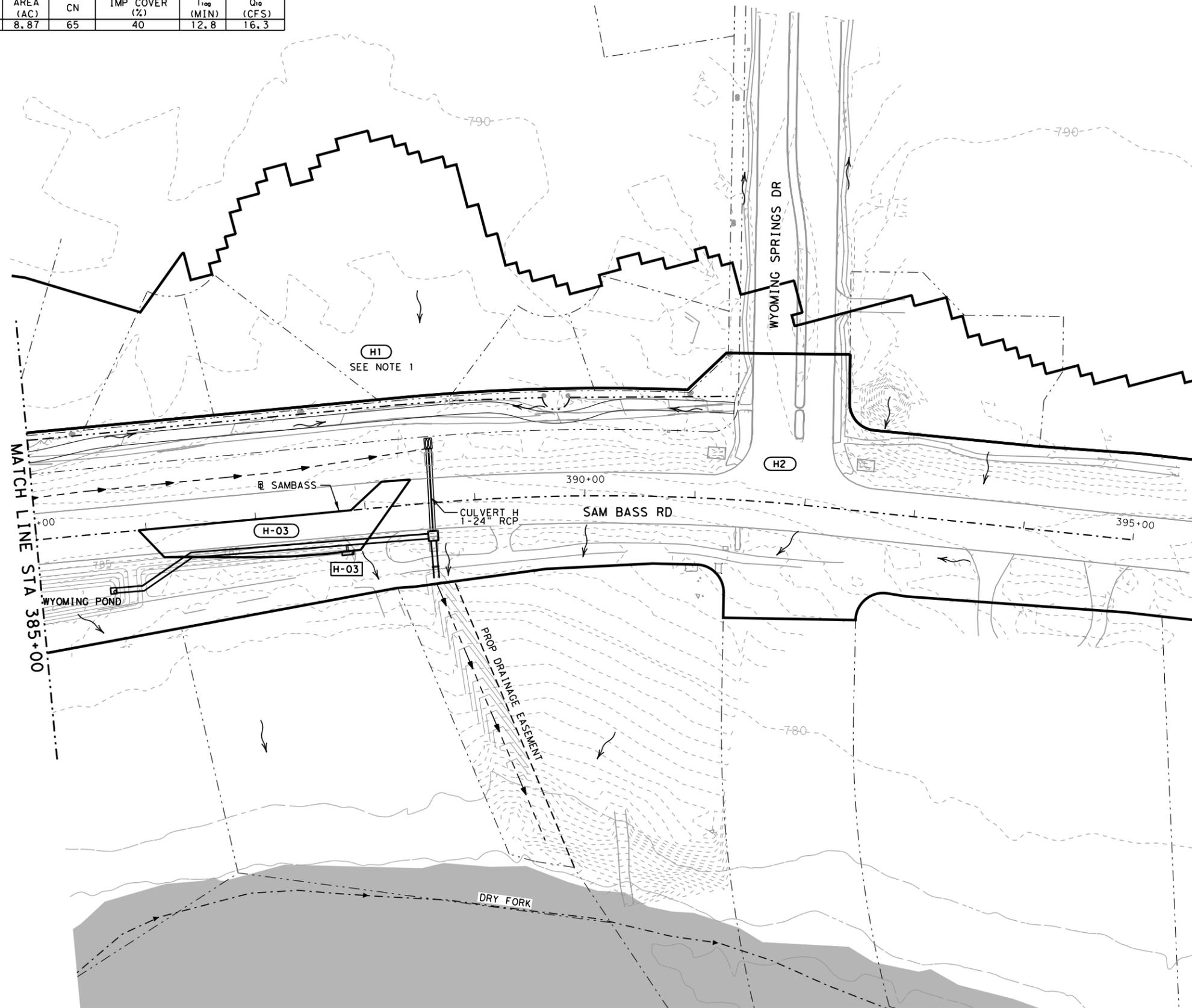


WILLIAMSON	
SHEET 13 OF 14	
SCALE	1"=100'
DATE	10/30/2022
SHEET NUMBER	214 OF 529



DRAINAGE AREA ID	AREA (AC)	RUNOFF COEFFICIENT	Tc CALC (MIN)	Tc USED (MIN)	I ₁₀ (IN/HR)	Q ₁₀ (CFS)
H-03	0.17	0.90	1.2	10.0	7.32	1.2

DRAINAGE AREA ID	AREA (AC)	CN	IMP COVER (%)	T ₁₀₀ (MIN)	Q ₁₀₀ (CFS)
H2	8.87	65	40	12.8	16.3



LEGEND

- EXIST EDGE OF PAVEMENT
- PROP EDGE OF PAVEMENT
- - - EXIST CONTOURS
- - - PROP CONTOURS
- - - EXIST RIGHT OF WAY/PROPERTY LINE
- - - PROP RIGHT OF WAY
- - - STREAM CENTERLINE
- - - DITCH CENTERLINE
- FEMA FLOODPLAIN
- ▬ DRAINAGE BOUNDARY
- (XX) DRAINAGE AREA ID
- [XX] DRAINAGE NODE

NOTES

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2. PEAK FLOWS WERE COMPUTED USING THE RATIONAL METHOD FOR ONSITE DRAINAGE AREAS AND THE SCS UNIT HYDROGRAPH METHOD FOR OFFSITE DRAINAGE AREAS.



K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746
 WILLIAMSON COUNTY
 SAM BASS ROAD
 ONSITE DRAINAGE AREA MAP
 STA 385+00 TO END



WILLIAMSON

SHEET 14 OF 14

SCALE 1"=100'

DATE 10/30/2022

SHEET NUMBER 215 OF 529

ATTACHMENT I INSPECTION AND MAINTENANCE FOR BMPs

All erosion and sediment control measures will be maintained in effective operating condition by following the Project maintenance procedures. The general maintenance and inspection requirements are included in the Erosion and Sedimentation Control Plans included in *20872-Attachment G: Construction Plans*. The maintenance plan for temporary BMPs meets the maintenance guidance provided in RG-348.

The Contractor shall install and maintain the integrity of temporary erosion and sedimentation control devices to accumulate silt and debris until soil disturbing activities are completed and permanent erosion control features are in place or the disturbed area has been adequately stabilized as approved in accordance with contract documents including Standard TxDOT Specification 506, and Part II, Section F.6 of TPDES General Permit No. TXR150000.

Maintenance, repairs, or retrofits will adhere to the project standards and details for the BMP. Damaged portions of BMPs shall be removed and replaced as needed to adhere to the contract documents. BMPs that cannot be adequately repaired or retrofitted to meet project requirements, shall be removed and replaced entirely in accordance with the contract documents.

The maintenance documentation procedures and recordkeeping practices are summarized in the TCEQ Edwards Aquifer General Construction Notes, which are included in the *20872-Attachment G: Construction Plans*.

ATTACHMENT J

SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION PRACTICES

The general order of construction activities is shown below. The project phasing of construction activities, including time frame information and interim and permanent stabilization measures are included in the Traffic Control Plan - Sequence of Construction and SW3P provided in *20872-Attachment G: Construction Plans*. Temporary control measures include sediment control fence, erosion control logs, rock filter dams, and construction exits and will be installed first in the sequence of construction and removed after all site work is complete and vegetation has been established.

Installation of temporary erosion controls

1. Notice of Intent/SWPPP Controls
 - a. Install erosion and sediment control measures in accordance with the SW3P
2. Construct stabilized construction exits
3. Construction of proposed permanent water quality batch detention ponds as early as practicable to function as sedimentation basins.

Site Clearing and Grading

4. Clearing, grubbing, and grading in the locations of proposed improvements.

Construction of Proposed Roadway, Culvert and Storm Sewer Improvements

5. Construction of proposed roadway base, storm sewer, culverts, and roadway asphalt paving.
6. Construction of shared use path.

Site Restoration, Seeding and Re-vegetation

7. Seeding of disturbed soils, soil retention blankets, and other soil stabilization measures, as necessary.

Removal of SWPPP Controls

8. Remove erosion and sediment control measures and stabilized construction exits.
9. Notice of Termination.

For all areas where construction activity temporarily ceases for more than 21 days will be stabilized by the contractor with temporary seeding within 14 days of the last disturbance.

Records will be kept at the site to document dated when:

- major grading activities occur;
- construction activities temporarily cease;
- construction activities permanently cease; and
- stabilization measures are initiated.

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

I _____ Adam Boatright _____,
Print Name
_____ County Engineer _____,
Title - Owner/President/Other
of _____ Williamson County _____,
Corporation/Partnership/Entity Name
have authorized _____ Victoria Ortega _____
Print Name of Agent/Engineer
of _____ K Friese + Associates _____
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:

Adam Boatright
Applicant's Signature

07/23/2024
Date

THE STATE OF Texas §

County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Adam Boatright 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.

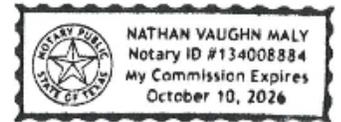
GIVEN under my hand and seal of office on this 23rd day of July, 2024.

Nathan V. Maly

NOTARY PUBLIC

NATHAN V. MALY

Typed or Printed Name of Notary



MY COMMISSION EXPIRES: 10/10/26

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Sam Bass Road

Regulated Entity Location: FM 1431 (Whitestone Bld) to Wyoming Springs Dr

Name of Customer: Williamson County

Contact Person: Terron Evertson

Phone: (512) 943-3330

Customer Reference Number (if issued): CN 600897888

Regulated Entity Reference Number (if issued): RN _____

Austin Regional Office (3373)

Hays

Travis

Williamson

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

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

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(512)239-0357

Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	44.07 Acres	\$ 8,000
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

Signature: Victoria M Ortega

Date: 8/7/2024

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

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

Extension of Time Requests

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



TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input 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	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 600897888		RN 111698007

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		
<input type="checkbox"/> New Customer		<input checked="" 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)				
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).				
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)			<i>If new Customer, enter previous Customer below:</i>	
County of Williamson				
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)	
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
Government: <input type="checkbox"/> City <input checked="" type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:		
12. Number of Employees		13. Independently Owned and Operated?		
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No		
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
<input type="checkbox"/> Owner		<input type="checkbox"/> Operator		<input checked="" type="checkbox"/> Owner & Operator
<input type="checkbox"/> Occupational Licensee		<input type="checkbox"/> Responsible Party		<input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:
15. Mailing Address:	Williamson County Department of Road and Bridge			
	3151 S.E. Inner Loop, Suite B			
	City	Georgetown	State	TX
		ZIP	78626	ZIP + 4
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)	
			tevertson@wilco.org	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)
(512) 943-3330				(512) 943-3335

SECTION III: Regulated Entity Information

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

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>							
	City		State		ZIP		ZIP + 4
24. County							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	From FM 1431 (Whitestone Blvd) to Wyoming Springs Rd						
26. Nearest City					State	Nearest ZIP Code	
Round Rock					TX	78681	
27. Latitude (N) In Decimal:	30.544030			28. Longitude (W) In Decimal:	-97.760405		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
30	32	38.51	97	45	37.46		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
County Roadway							
34. Mailing Address:	Williamson County						
	3151 S.E. Inner Loop, Suite B						
	City	Georgetown	State	TX	ZIP	78626	ZIP + 4
35. E-Mail Address:	tevertson@wilco.org						
36. Telephone Number	37. Extension or Code			38. Fax Number <i>(if applicable)</i>			
(512) 943-3330				() -			

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

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

SECTION IV: Preparer Information

40. Name:	Victoria M Ortega, PE	41. Title:	Associate
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 338-1704		() -	vortega@kfriese.com

SECTION V: Authorized Signature

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

Company:	K Friese + Associates, Inc	Job Title:	Associate
Name <i>(In Print)</i> :	Victoria Ortega	Phone:	(512) 338- 1704
Signature:	<i>Victoria M Ortega</i>	Date:	8/21/24