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# **Edwards Aquifer Exception Request for City of Georgetown Morrow Street Sidewalk Development**

Prepared for:

TCEQ-Region 11 Office

Austin, Texas

July 2023

Prepared by:

**FREESE AND NICHOLS, INC.**  
10431 Morado Circle, Suite 300  
Austin, Texas 78759  
512-617-3100

# Texas Commission on Environmental Quality

## Edwards Aquifer Application Cover Page

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### Our Review of Your Application

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

### Administrative Review

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

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

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

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

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

### Technical Review

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

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

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

**Mid-Review Modifications**

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

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

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

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

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

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

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

<b>1. Regulated Entity Name: Morrow Street Sidewalk Development</b>					<b>2. Regulated Entity No.:</b>				
<b>3. Customer Name: City of Georgetown</b>					<b>4. Customer No.: CN600413043</b>				
<b>5. Project Type:</b> (Please circle/check one)	New		Modification			Extension		Exception	
<b>6. Plan Type:</b> (Please circle/check one)	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
<b>7. Land Use:</b> (Please circle/check one)	Residential		Non-residential			<b>8. Site (acres):</b>			1.66
<b>9. Application Fee:</b>	\$500		<b>10. Permanent BMP(s):</b>				N/A		
<b>11. SCS (Linear Ft.):</b>	N/A		<b>12. AST/UST (No. Tanks):</b>				N/A		
<b>13. County:</b>	Williamson		<b>14. Watershed:</b>				San Gabriel- Brazos River		

# Application Distribution

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

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

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

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

<b>San Antonio Region</b>					
<b>County:</b>	<b>Bexar</b>	<b>Comal</b>	<b>Kinney</b>	<b>Medina</b>	<b>Uvalde</b>
Original (1 req.)	—	—	—	—	—
Region (1 req.)	—	—	—	—	—
County(ies)	—	—	—	—	—
Groundwater Conservation District(s)	<input 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.

Tam H. Tran

Print Name of Customer/Authorized Agent



7/14/23

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: Tam Tran

Date: 05/31/2023

Signature of Customer/Agent:



## Project Information

1. Regulated Entity Name: Morrow Street Sidewalk Development

2. County: Williamson

3. Stream Basin: San Gabriel-Brazos

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

5. Edwards Aquifer Zone:

Recharge Zone

Transition Zone

6. Plan Type:

WPAP

SCS

Modification

AST

UST

Exception Request

7. Customer (Applicant):

Contact Person: Wesley Wright, PE  
Entity: City of Georgetown  
Mailing Address: 300-1 Industrial Ave.  
City, State: Georgetown, TX Zip: 78627  
Telephone: 512-931-7672 FAX: \_\_\_\_\_  
Email Address: Wesley.Wright@georgetown.org

8. Agent/Representative (If any):

Contact Person: Tam Tran  
Entity: Freese and Nichols, Inc  
Mailing Address: 10431 Morado Cir, Ste. 300  
City, State: Austin, TX Zip: 78759  
Telephone: (512)381-1830 FAX: \_\_\_\_\_  
Email Address: Tam.Tran@freese.com

9. Project Location:

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

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

The project area will be located on Morrow Street in Georgetown, Texas. The project area will be from the intersection of Austin Ave along Morrow St to the Randy Morrow parking area.

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: 11/13/2023

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.



**Attachment A. Road Map**



**Project Area**

Scale 1:10,000



 Project Area

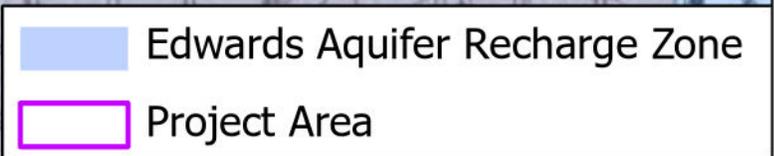
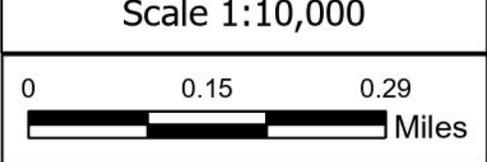
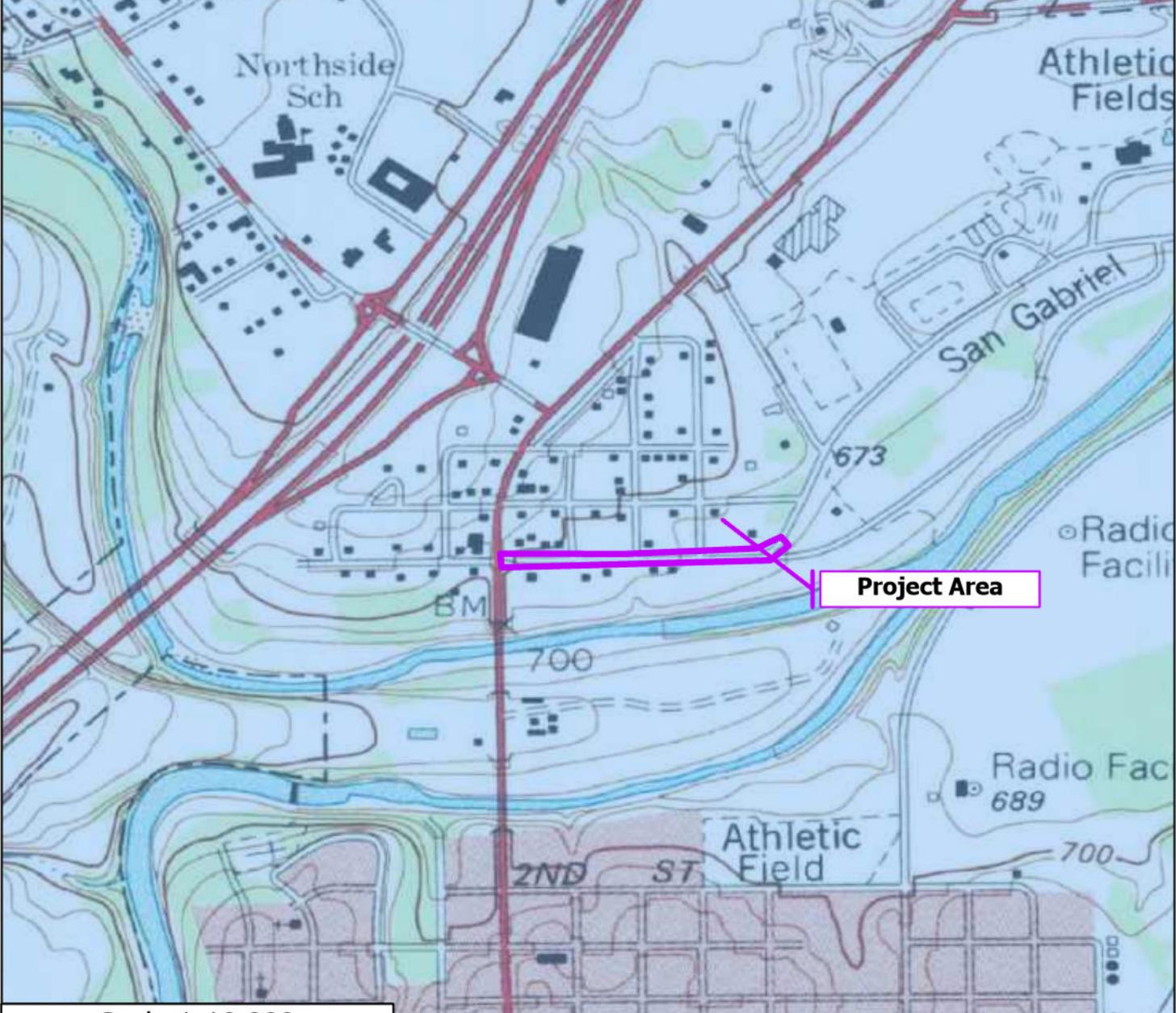
**FRESE AND NICHOLS**  
 FRESE AND NICHOLS, INC  
 10431 Morado Circle, Suite 300  
 Austin, TX 78759  
 512-617-3188



City of Georgetown  
**Morrow Street Pedestrian Improvements**  
**Attachment A. Road Map**

FN JOB NO	GEO23257
FILE NAME	MorrowStreet.mxd
DATE	7/14/2023
DESIGNED	02588
DRAFTED	02588

**Attachment B. USGS/ Edwards Aquifer Zone Map**



**FREES AND NICHOLS**  
 FREES AND NICHOLS, INC  
 10431 Morado Circle, Suite 300  
 Austin, TX 78759  
 512-617-3188



City of Georgetown  
**Morrow Street Pedestrian Improvements**  
**USGS Topographic Map**  
 Quad Name: Georgetown, TX

FN JOB NO	GEO23257
FILE NAME	MorrowStreet.mxd
DATE	7/14/2023
DESIGNED	02588
DRAFTED	02588

Morrow Street Sidewalk Development  
Edwards Aquifer Exception Request

**Attachment C**

**Project Description**

The Morrow Street Sidewalk Development project is located in Georgetown, south of San Gabriel Park. Sidewalk and drainage improvements will be along Morrow Street from Austin Avenue to the parking area at Randy Morrow Trail. The section of Morrow Street currently does not have any sidewalks or drainage infrastructure. The project will consist of the installation of 5-foot-wide sidewalks with stormwater drainage from Morrow Street to the San Gabriel River. The project area is approximately 1.66 acres of developed, cleared public lands and residential housing near the San Gabriel River Trail. The project area is used as a residential roadway and parkland. Temporary BMP will include silt fencing and rock filter dams. After construction is complete, disturbed areas will be hydro-mulched to promote vegetation growth and improve soil stability.

The new site improvements will increase the impervious cover from 0.767 to 0.903 acres, an increase of 0.137 acres, or approximately 5,967 square feet. No offsite areas are included in the project plans and no properties are to be demolished. The project would be constructed within the existing public right-of-way and would not require additional right-of-way.

# 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: S. Connor Kee

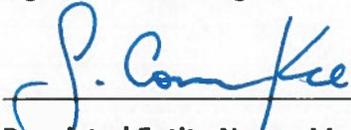
Telephone: (817)-735-7531

Date: 2023-07-14

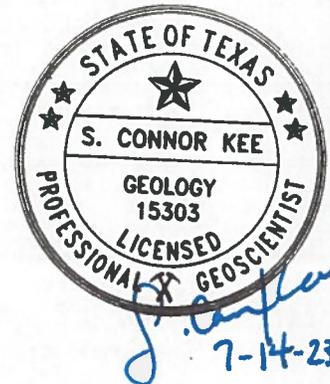
Fax: \_\_\_\_\_

Representing: Freese and Nichols, Inc. (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: Morrow Street Sidewalk Development



## Project Information

1. Date(s) Geologic Assessment was performed: 2023-07-06

2. Type of Project:

WPAP

AST

SCS

UST

3. Location of Project:

Recharge Zone

Transition Zone

Contributing Zone within the Transition Zone

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

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

Soil Name	Group*	Thickness(feet)
Queeney clay loam	D	0 to 12
Eckrant cobbly clay	D	0 to 2.5

\* Soil Group Definitions (Abbreviated)

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

6.  **Attachment B – Stratigraphic Column.** A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
7.  **Attachment C – Site Geology.** A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
8.  **Attachment D – Site Geologic Map(s).** The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'  
 Applicant's Site Plan Scale: 1" = 160'  
 Site Geologic Map Scale: 1" = 160'  
 Site Soils Map Scale (if more than 1 soil type): 1" = 160'
9. Method of collecting positional data:
  - Global Positioning System (GPS) technology.
  - Other method(s). Please describe method of data collection: \_\_\_\_\_
10.  The project site and boundaries are clearly shown and labeled on the Site Geologic Map.
11.  Surface geologic units are shown and labeled on the Site Geologic Map.

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

### ***Administrative Information***

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

GEOLOGIC ASSESSMENT TABLE										PROJECT NAME: Morrow Street Sidewalk Development										
LOCATION			FEATURE CHARACTERISTICS										EVALUATION		PHYSICAL SETTING					
1A	1B *	1C *	2A	2B	3	4			5	5A	6	7	8A	8B	9	10	11		12	
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DIP (DEGREES)	DENSITY (MG/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY	CATCHMENT AREA (ACRES)		TOPOGRAPHY	
						X	Y	Z		10						<40	≥40	<1.6	≥1.6	
P1	30°38'47.65"N	97°40'41.05"W	CD	5	Kgt	3.5	3.5	3	-	-	-	-	N	5 - Low	10	10			✓	Drainage
P2	30°38'47.72"N	97°40'34.60"W	CD	5	Qu	300	4	4	-	-	-	-	C, O, F	5 - Low	10	10			✓	Drainage
P3	30°38'47.73"N	97°40'34.11"W	CD	5	Qu	100	1.5	1.5	-	-	-	-	C, O, F	5 - Low	10	10			✓	Drainage
P4	30°38'47.70"N	97°40'31.00"W	CD	5	Qu	40	1.5	1.5	-	-	-	-	O	5 - Low	10	10			✓	Drainage
P5	30°38'47.37"N	97°40'30.17"W	CD	5	Qu	600	15	5	-	-	-	-	N	5 - Low	10	10			✓	Drainage

\* DATUM:

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

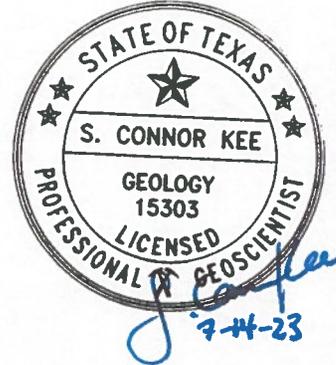
8A INFILLING	
N	None, exposed bedrock
C	Coarse - cobbles, breakdown, sand, gravel
O	Loose or soft mud or soil, organics, leaves, sticks, dark colors
F	Fines, compacted clay-rich sediment, soil profile, gray or red colors
V	Vegetation. Give details in narrative description
FS	Flowstone, cements, cave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

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

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

*J.P. Conner*

Date **7-4-23**  
Sheet 1 of 1

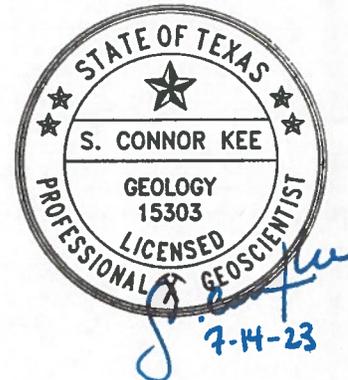


**Attachment B**  
**Stratigraphic Column<sup>1,2</sup>**

System	Series	Group	Formation	Member	Thickness (Feet)		
Quaternary	Recent	Alluvium (Qal)			0-15 ±		
		Terrace Deposits (Qt)			15-20 ±		
Upper Cretaceous	Gulfian	Taylor (Kta)	Sprinkle		330 ±		
		Austin (Kau)	Burditt		16 ±		
			Dessau		95 ±		
			Jonah		47 ±		
			Vinson		100 ±		
			Atco		110 ±		
		Eagle Ford (Kef)	South Bosque		16 ±		
			Lake Waco	Bouldin Flags	15 ±		
				Cloice Shale	11 ±		
		Bluebonnet Flags		4-5 ±			
		Woodbine	Pepper		13 ±		
		Lower Cretaceous	Comanche	Washita	Buda (Kbu)		20-30 ±
					Del Rio (Kdr)		70-75 ±
Georgetown (Kgt)	Paw Paw				20 ±		
	Weno				10 ±		
	Denton			5 ±			
	Fort Worth			25 ±			
Fredericksburg	Duck Creek			23 ±			
	Kiamichi			4 ±			
	Edwards (Ked)			140-160 ±			
	Comanche Peak (Kcp)			60-80 ±			
Walnut (Kw)		70-80 ±					

<sup>1</sup>Housh, T.B. 2007. Bedrock Geology of Round Rock and Surrounding Areas, Williamson and Travis Counties, Texas.

<sup>2</sup>Blome, C.D., Faith, J.R., Pedraza, D.E., Ozuna, G.B., Cole, J.C., Clark, A.K., Small, T.A., and Morris, R.R. 2005. Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas. U.S. Geological Survey, U.S. Department of the Interior. Scientific Investigations Map 2873. Version 1.1. Scale 1:200,000



## Attachment C

### Narrative Description of Site-Specific Geology

#### Project Description

The City of Georgetown is proposing sidewalk improvements along Morrow Street in Williamson County. FNI personnel performed a literature review of project site geology and conducted a field survey on July 6, 2023.

#### Geological Stratigraphy and Structural Characteristics

The stratigraphy at the project site includes Quaternary alluvium and terrace deposits (Qal, Qu, Qt) and Cretaceous age Georgetown Limestone (Kgt), which also includes deposits of marl and clay. The thickness of the Georgetown Limestone is approximately 30 to 80 feet in Williamson County.

The project is located within the Balcones fault zone, so there is potential for faults and outcrops to exist within the project area. The project is also located completely within the recharge zone of the Edwards aquifer, where weathering and erosion have created an aquifer system of honeycomb and cave formations in the porous limestone. A known normal fault is shown on geologic maps of the surrounding area, roughly 560 feet to the west of the project site; however, no faults were observed or mapped within the project site itself. Five manmade, non-karst, closed depressions were documented during the site visit and are discussed below. No karst features or features that could facilitate rapid infiltration into the subsurface were observed within the project area during the site visit.

#### Soil Profiles

The Queeny series consists of shallow, well drained soils formed in calcareous loam and gravelly alluvium derived from shale, claystone, siltstone, or chalk. These soils occur on stream terraces and dissected plains at slopes generally ranging from 1 to 20 percent.

The Eckrant series consists of shallow soils to weathered limestone bedrock. They are well drained, moderately slowly permeable soils formed in residuum derived from limestone. These soils occur on both nearly level ground and very steep areas of summits and backslopes of ridges on dissected plateaus. Typical slopes range greatly from 1 to 60 percent.

The above soils occur on the project site in the following associations:

*Queeny clay loam, 1 to 5 percent slopes (QuC):* This association typically consists of gravelly loam, caliche, and gravelly sand with bedrock below 37-144 inches. The soil type is well-drained and is not classified as prime farmland.

*Eckrant cobbly clay, 1 to 8 percent slopes (EaD):* This association typically consists of very cobbly clay with bedrock below 12-30 inches. The soil type is well-drained, has moderately slow permeability, and is not classified as prime farmland.

## Site Assessment

FNI personnel conducted a site visit on July 6, 2023. The site visit was focused on identifying karstic features in the area of the proposed sidewalk improvements. The geologic formations present in the area are well known for the development of karstic features close to the Balcones fault system. The site visit was conducted to search for specific karstic or dissolution features as potential indicators of active karst.

The project site is located along Morrow Street in northern Georgetown. The proposed project includes construction of sidewalks adjacent to the road. Only the eastern end of the site is located within the 100-year floodplain of the North Fork San Gabriel River. The site generally drains south to the river via stormwater runoff ditches, outfalls, and drainage features. Five non-karst features were identified and documented during the site assessment, including two outfalls and three drainage features. No exposed bedrock or karst features were observed on the project site.



**Feature P1.** A drainage grate (3.5 feet by 3.5 feet, 3 feet deep) and outfall are located at the western end of the project area where Morrow Street intersects North Austin Avenue.



**P2, North of Morrow Street**



**P3, North of Morrow Street**



**Confluence of P2 & P3, South of Morrow Street**

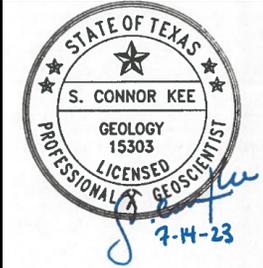
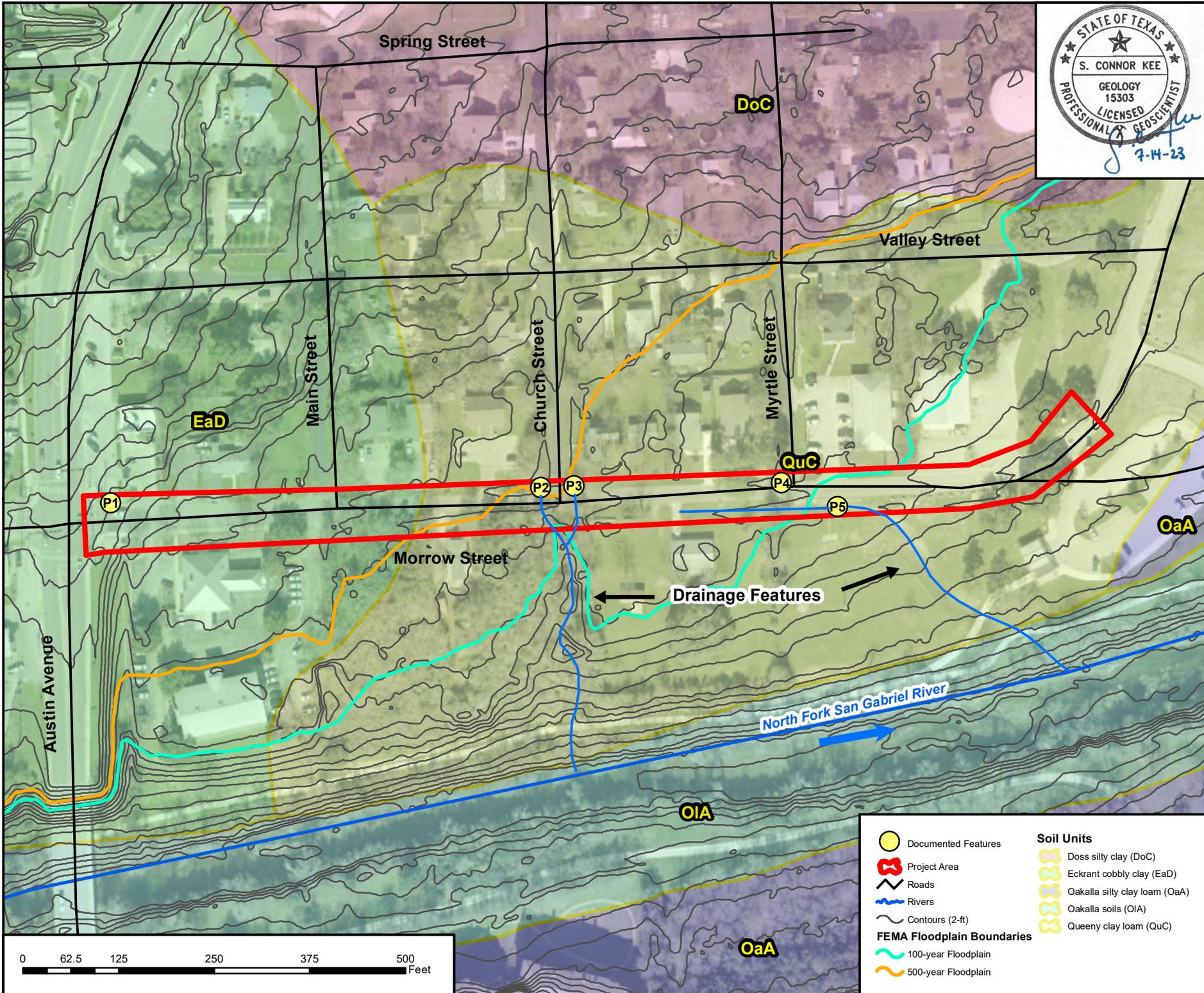
**Features P2 and P3.** Two drainage ditches, one to the west of North Church Street (P2) and one to the east of North Church Street (P3) are oriented north-south. On the south side of Morrow Street, the two ditches converge, forming a single drainage feature that directs stormwater runoff south to the North Fork San Gabriel River. Cobbles and concrete debris were observed in the drainage feature, but no exposed bedrock was observed.



**Feature P4.** On the northern side of Morrow Street, a small outfall (16 inches by 16 inches wide) runs east-west underneath North Myrtle Street.



**Feature P5.** A roughly 600-foot long, grass-lined drainage feature runs west-to-east along the south side of Morrow Street. Approximately 100 feet east of the intersection of Morrow Street and North Myrtle Street, the drainage feature runs southeast until it enters the North Fork San Gabriel River. No exposed bedrock was observed along this feature.



PROJECT NO.	GEO23257
DATE:	July 2023
SCALE:	1" = 920'
DESIGNED:	SCK
DRAFTED:	SCK
FILE:	Soils.mxd

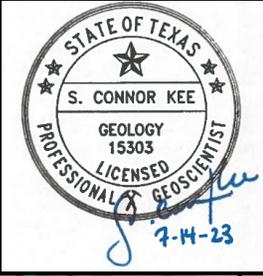
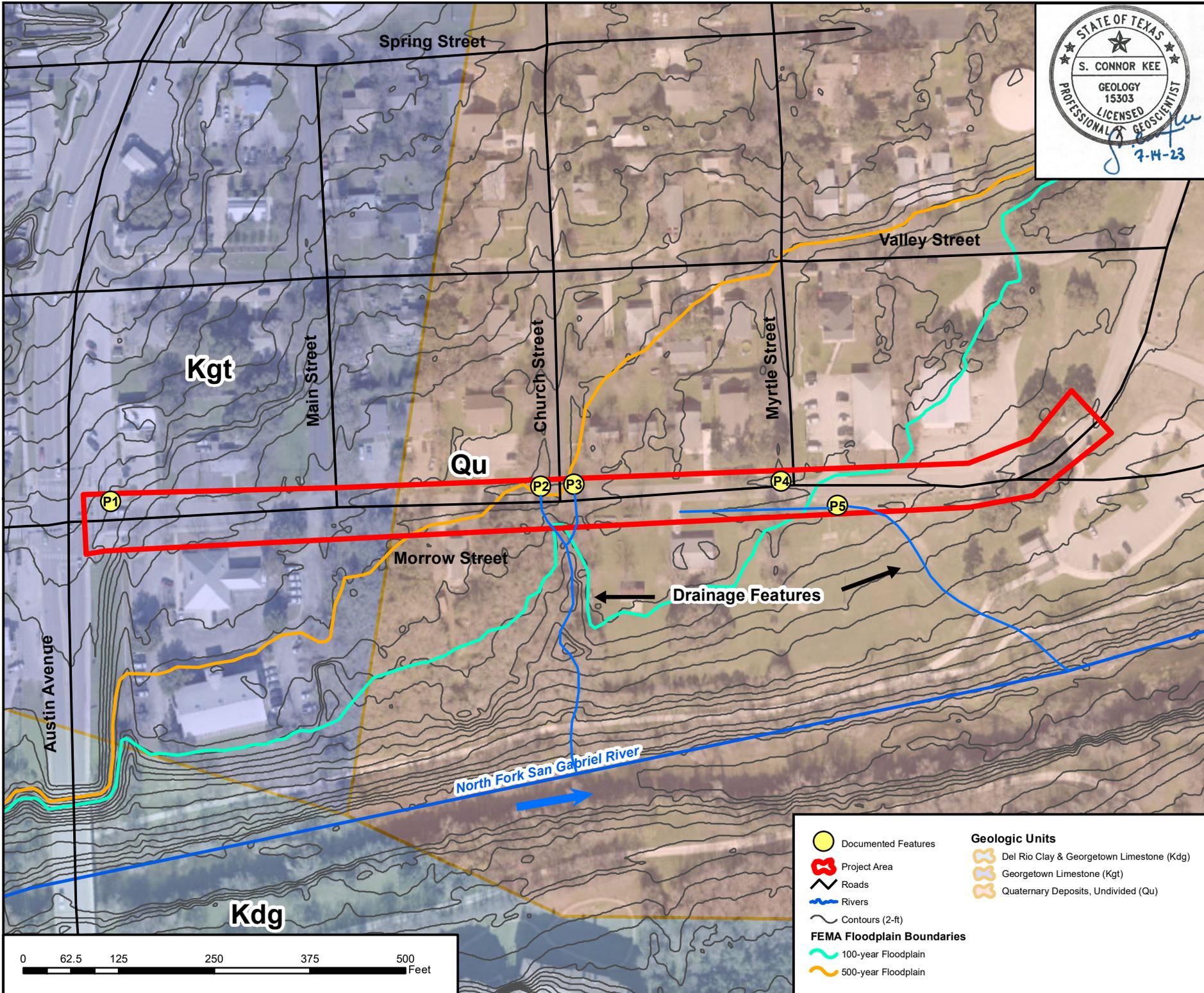
City of Georgetown, TX  
**Morrow Street Sidewalk Development**  
**Geologic Assessment**  
**Site Soils Map**



**Freese and Nichols**  
 801 Cherry Street, Suite 2000  
 Fort Worth, Texas 76102  
 (P) 817-735-7300 (F) 817-735-7491

- Documented Features
  - Project Area
  - Roads
  - Rivers
  - Contours (2-ft)
  - FEMA Floodplain Boundaries
  - 100-year Floodplain
  - 500-year Floodplain
- Soil Units**
  - Doss silty clay (DoC)
  - Eckrant cobbly clay (EaD)
  - Oakalla silty clay loam (OaA)
  - Oakalla soils (OIA)
  - Queeny clay loam (QuC)

**D.2**  
 ATTACHMENT



PROJECT NO:	GEO23257
DATE:	July 2023
SCALE:	1" = 1,920'
DESIGNED:	SCK
DRAFTED:	SCK
FILE:	Geology.mxd

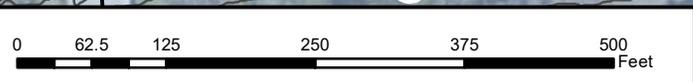
City of Georgetown, TX  
**Morrow Street Sidewalk Development**  
**Geologic Assessment**  
**Site Geologic Map**



**Freese and Nichols**  
 801 Cherry Street, Suite 2000  
 Fort Worth, Texas 76102  
 (P) 817-735-7300 (F) 817-735-7491

D.1

**ATTACHMENT**



- Documented Features
  - Project Area
  - Roads
  - Rivers
  - Contours (2-ft)
  - FEMA Floodplain Boundaries
  - 100-year Floodplain
  - 500-year Floodplain
- Geologic Units**
- Del Rio Clay & Georgetown Limestone (Kdg)
  - Georgetown Limestone (Kgt)
  - Quaternary Deposits, Undivided (Qu)

# Recharge and Transition Zone Exception Request Form

Texas Commission on Environmental Quality

30 TAC §213.9 Effective June 1, 1999

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

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

## Signature

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

Print Name of Customer/Agent: Tam Tran

Date: 05/31/2023

Signature of Customer/Agent:



---

**Regulated Entity Name:** Morrow Street Sidewalk Development

## Exception Request

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

## Administrative Information

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

Morrow Street Sidewalk Development  
Edwards Aquifer Exception Request

**ATTACHMENT A**

**Nature of Exception**

The Morrow Street Sidewalk development project will be operated by the City of Georgetown (the City). The City is proposing to create a concrete pathway along Morrow Street for accessibility from the neighborhood to San Gabriel Park and San Gabriel River Trail.

On January 4, 2023, Tam Tran (FNI) spoke to Mr. Kevin Smith from the TCEQ Edwards Aquifer Protection Program. He indicated that the sidewalk development can be covered by an Exception Request. Impervious cover will increase by approximately 5,967 ft<sup>2</sup> (0.137 acres) for a concrete path along the project alignment. The drainage pattern of the project area will not be changed. Stormwater from the street and sidewalks will flow through the slotted gutters to the vegetated swale before reaching the San Gabriel River.

During the construction process, temporary BMPs such as silt fences and rock filter dams will be utilized downgradient of the project site to control sediment and erosion to San Gabriel River. Temporary BMPs will be installed prior to construction and meet all requirements. After construction is completed, disturbed areas will be hydro-mulched with native grasses. The project will be constructed on existing right-of-way and no additional easements are necessary.

Morrow Street Sidewalk Development  
Edwards Aquifer Exception Request

**ATTACHMENT B**

Documentation of Equivalent Water Quality Protection:

During the construction process, temporary BMPs such as silt fences and rock filter dams will be utilized downgradient of the project site to control sediment and erosion to San Gabriel River. Temporary BMPs will be installed prior to construction and meet all requirements. After construction, permanent BMP will include revegetate disturbed areas with native grasses by hydro-mulching.

Temporary BMPs are shown on the following two construction plan sheets.

INDEX OF SHEETS

GENERAL	
1	TITLE SHEET
2	PROJECT LAYOUT
3 - 4	SURVEY INFORMATION
5	TYPICAL SECTIONS
6	GENERAL NOTES
7	SUMMARY OF QUANTITIES
ROADWAY/PEDESTRIAN	
8	HORIZONTAL ALIGNMENT DATA
9 - 10	SIDEWALK LAYOUTS
11	DRIVEWAY SUMMARY & DETAILS
12 - 13	MISCELLANEOUS DETAILS
DRAINAGE	
14	EXISTING DRAINAGE AREAS & CALCS
15	PROPOSED DRAINAGE AREAS & CALCS
16	TIME OF CONCENTRATION CALCS
17 - 18	DITCH PLAN & PROFILES
19	DRAINAGE DITCH TABLES
ROADWAY/PEDESTRIAN & DRAINAGE STANDARDS	
20 - 23	GEORGETOWN STANDARD ROADWAY DETAILS
24 - 25	SRR
26 - 28	PRD-13
29	SETP-PD
30	PSET-SP
31	PSET-RP
32 - 34	SMD (SLIP-1)-08 THRU SMD (SLIP-3)-08
TRAFFIC CONTROL STANDARDS	
35	GEORGETOWN STANDARD TRAFFIC CONTROL DETAILS
36 - 47	BC (1)-21 THRU BC (12)-21
48 - 49	TCP (2-1) THRU TCP (2-2)
ENVIRONMENTAL	
50	EPIC
51	TREE PROTECTION/REMOVAL TABLE
52 - 54	GEORGETOWN STANDARD ENVIRONMENTAL DETAILS
55 - 57	EC (9)-16



# CITY OF GEORGETOWN

## DEPARTMENT OF TRANSPORTATION

# MORROW STREET

# SIDEWALKS

SIDEWALK IMPROVEMENTS

PROJECT LIMITS:  
FROM EAST OF AUSTIN AVENUE TO RANDY MORROW  
PARKING LOT AND TRAIL HEAD

PROJECT INFORMATION:

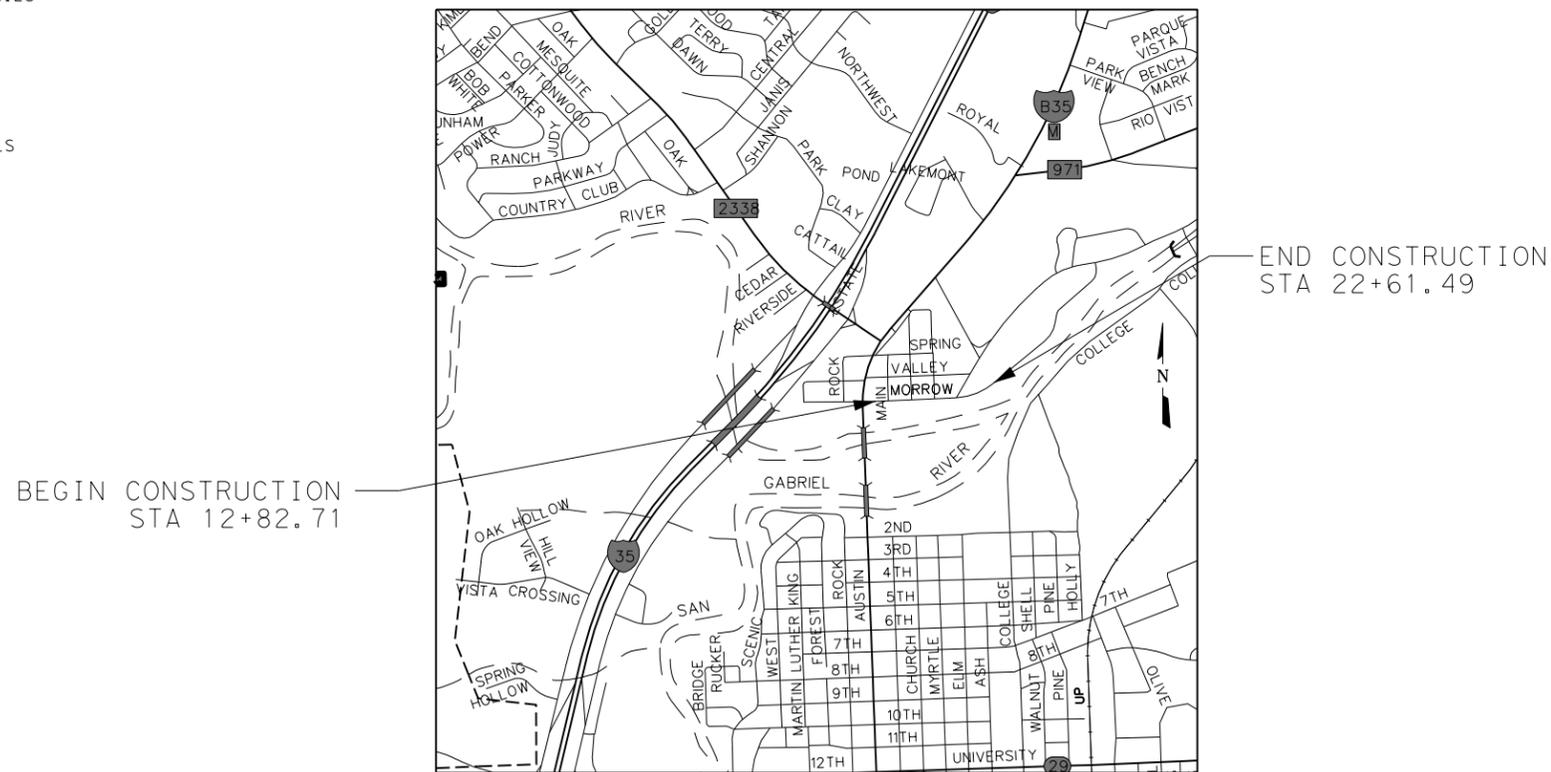
CLASSIFICATION: LOCAL  
EXIST SPEED LIMIT: 20 MPH  
DESIGN SPEED LIMIT: 20 MPH  
PROJECT LENGTH: 979 FT  
AREA OF SOIL DISTURBANCE (ACREAGE): 0.53 AC  
TDLR PROJECT NO. TABS2023025620

MAYOR

JOSH SCHROEDER

CITY COUNCIL

AMANDA PARR - DISTRICT 1  
SHAWN HOOD - DISTRICT 2  
MIKE TRIGGS - DISTRICT 3  
RON GARLAND - DISTRICT 4  
KEVIN PITTS - MAYOR PRO TEM,  
DISTRICT 5  
JAKE FRENCH - DISTRICT 6  
BEN STEWART - DISTRICT 7



BEGIN CONSTRUCTION  
STA 12+82.71

END CONSTRUCTION  
STA 22+61.49

LOCATION MAP  
NOT TO SCALE

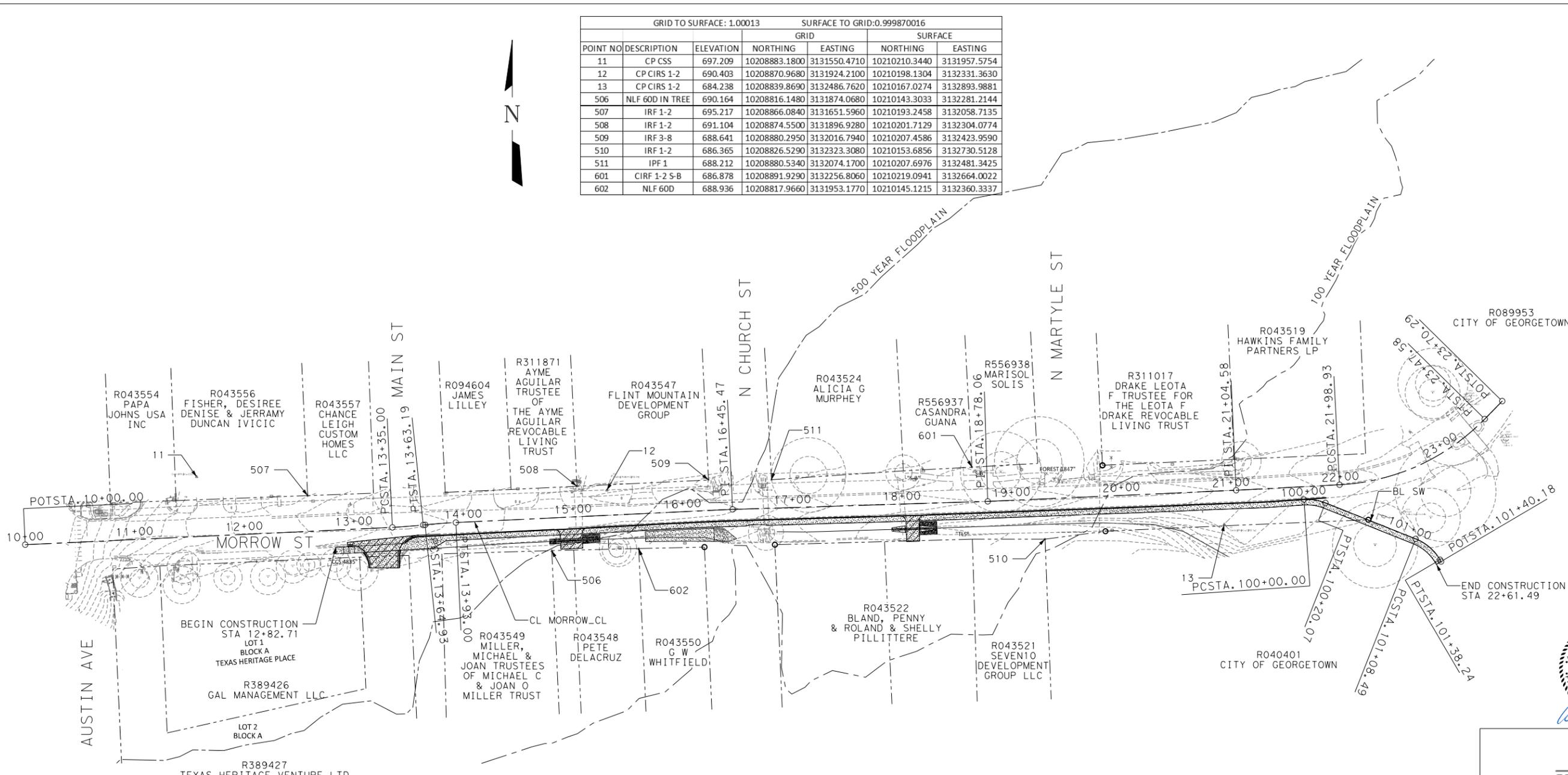
Andrea Bryant

**FRESE & NICHOLS**  
10431 Morado Circle, Suite 300  
Austin, Texas 78759  
Phone - (512) 617-3100  
Fax - (512) 617-3101  
Web - www.freese.com  
TX FIRM F-2144

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100% SUBMITTAL  
08/14/2023

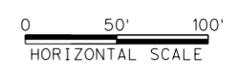
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13	CP CIRS 1-2	684.238	10208839.8690	3132486.7620	10210167.0274	3132893.9881
506	NLF 60D IN TREE	690.164	10208816.1480	3131874.0680	10210143.3033	3132281.2144
507	IRF 1-2	695.217	10208866.0840	3131651.5960	10210193.2458	3132058.7135
508	IRF 1-2	691.104	10208874.5500	3131896.9280	10210201.7129	3132304.0774
509	IRF 3-8	688.641	10208880.2950	3132016.7940	10210207.4586	3132423.9590
510	IRF 1-2	686.365	10208826.5290	3132323.3080	10210153.6856	3132730.5128
511	IPF 1	688.212	10208880.5340	3132074.1700	10210207.6976	3132481.3425
601	CIRF 1-2 S-B	686.878	10208891.9290	3132256.8060	10210219.0941	3132664.0022
602	NLF 60D	688.936	10208817.9660	3131953.1770	10210145.1215	3132360.3337



THIS PROJECT IS LOCATED OVER THE EDWARDS AQUIFER RECHARGE ZONE, BUT WILL NOT REQUIRE WATER QUALITY CONTROLS BASED ON EXCEPTIONS GRANTED BY TCEQ AND THE CITY OF GEORGETOWN.

A GEOLOGICAL ASSESSMENT, IN ACCORDANCE WITH THE CITY OF GEORGETOWN WATER QUALITY REGULATIONS, WAS COMPLETED ON JULY 6TH, 2023. ANY SPRINGS AND STREAMS AS IDENTIFIED IN THE GEOLOGICAL ASSESSMENT ARE SHOWN HEREIN.

IMPERVIOUS COVER (AC)	
EXISTING	PROPOSED
0.767	0.903



**GEORGETOWN TEXAS**  
more than welcome

**FREES NICHOLS**  
10431 Morado Circle, Suite 300  
Austin, Texas 78759  
Phone - (512) 617-3100  
Fax - (512) 617-3101  
Web - www.freese.com  
TX FIRM F-2144

MORROW STREET  
SIDEWALKS

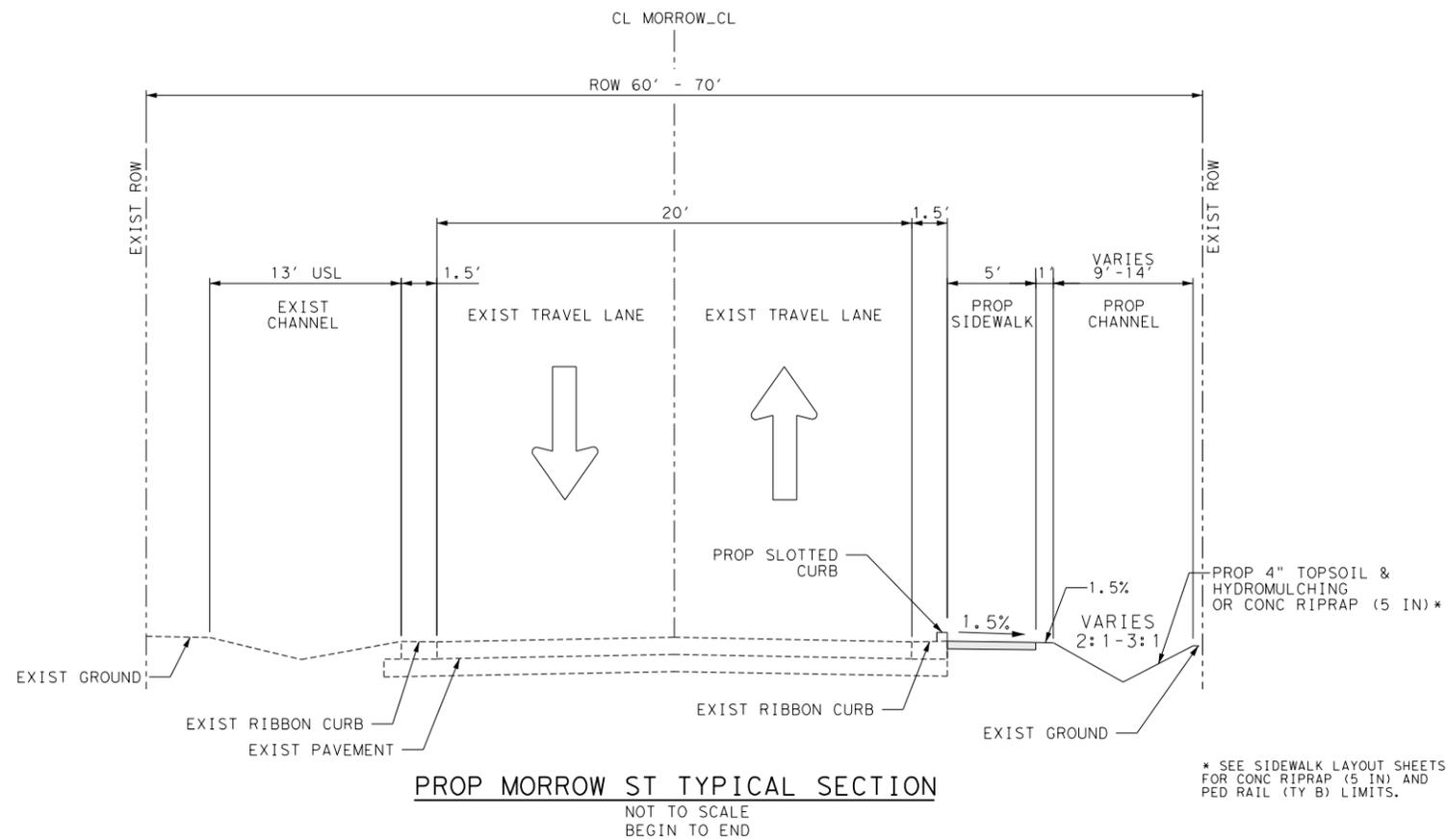
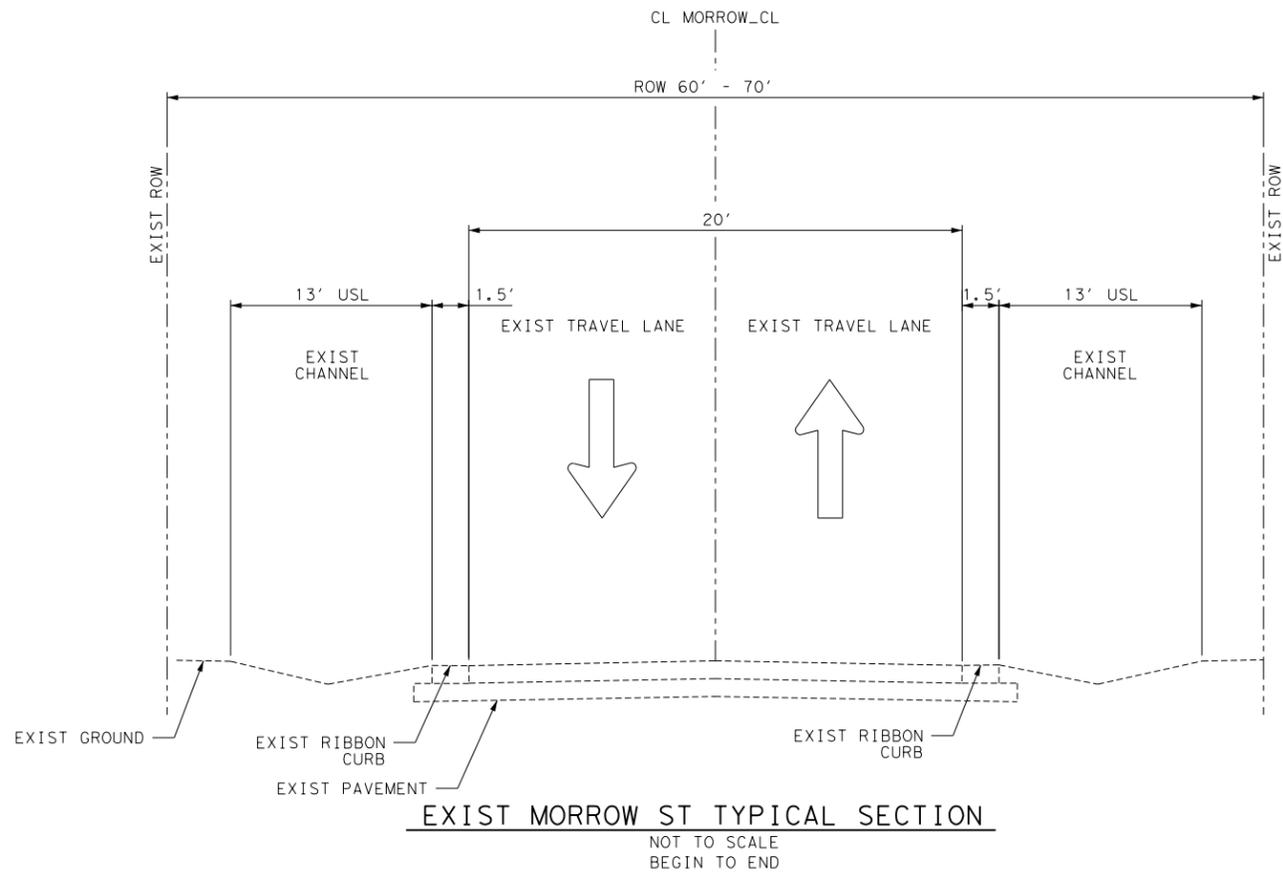
PROJECT LAYOUT

SHEET 1 OF 1

© 2023	CITY	COUNTY	SHEET NO.
	GTO	WILLIAMSON	2

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DATE: Aug. 11, 2023 - 04:15:29 PM  
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08/14/2023



**FREESSE NICHOLS**  
 10431 Morado Circle, Suite 300  
 Austin, Texas 78759  
 Phone - (512) 617-3100  
 Fax - (512) 617-3101  
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 TX FIRM F-2144

MORROW STREET  
 SIDEWALKS  
  
 TYPICAL SECTIONS

© 2023	CITY	COUNTY	SHEET NO.
	GTO	WILLIAMSON	5

SHEET 1 OF 1

DATE: Aug. 11, 2023 - 04:15:31 PM  
FILE: N:\IF\Drawings\1. General\MORROW\_GENERAL NOTES.dgn

1. THESE CONSTRUCTION PLANS WERE PREPARED, SEALED, SIGNED AND DATED BY A TEXAS LICENSED PROFESSIONAL ENGINEER. THEREFORE, BASED ON THE ENGINEER'S CONCURRENCE OF COMPLIANCE, THE CONSTRUCTION PLANS FOR CONSTRUCTION OF THE PROPOSED PROJECT ARE HEREBY APPROVED SUBJECT TO THE STANDARD CONSTRUCTION SPECIFICATIONS AND DETAILS MANUAL AND ALL OTHER APPLICABLE CITY, STATE AND FEDERAL REQUIREMENTS AND CODES.
2. THIS PROJECT IS SUBJECT TO ALL CITY STANDARD SPECIFICATIONS AND DETAILS IN EFFECT AT THE TIME OF SUBMITTAL OF THE PROJECT TO THE CITY.
3. THE SITE CONSTRUCTION PLANS SHALL MEET ALL REQUIREMENTS OF THE APPROVED SITE PLAN.
4. THE CONTRACTOR IS TO CONTACT ONE OF THE FOLLOWING:  

TEXAS811	811
LONE STAR	1-800-669-8344

FOR LOCATION OF EXISTING FACILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. UTILITIES SHOWN ON SIDEWALK LAYOUT ARE QL C/D, BASED ON RECORD DRAWINGS AND TOPOGRAPHIC SURVEY.
5. PRIOR TO ANY CONSTRUCTION, THE DESIGN ENGINEER SHALL CONVENE A PRECONSTRUCTION CONFERENCE BETWEEN THE CITY OF GEORGETOWN, HIMSELF, THE CONTRACTOR, OTHER UTILITY COMPANIES, ANY AFFECTED PARTIES AND OTHER ENTITY THE CITY OR ENGINEER MAY REQUIRE. IF CONSTRUCTION IS NOT STARTED ON THE SITE WITHIN 30 CALENDAR DAYS AFTER THE PRE-CONSTRUCTION CONFERENCE, THE ENGINEER SHALL CONVENE A NEW PRE-CONSTRUCTION CONFERENCE BETWEEN THE CITY OF GEORGETOWN, HIMSELF, AND ALL THE ABOVE MENTIONED ENTITIES.
6. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 1033 LA POSADA DR., SUITE 375.
7. CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE INCURRED TO EXISTING FACILITIES AS A RESULT OF CONSTRUCTION OPERATIONS ARE TO BE REPAIRED IMMEDIATELY BY THE CONTRACTOR, AT NO ADDITIONAL COST TO OWNER.
8. CONTRACTOR TO GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS OR PERSONS IN CHARGE OF PUBLIC AND PRIVATE UTILITIES AFFECTED BY THEIR OPERATIONS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
9. CONTRACTOR TO COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS REGARDING EXCESS AND WASTE MATERIAL, INCLUDING METHODS OF HANDLING AND DISPOSAL.
10. CONTRACTOR TO COORDINATE INTERRUPTIONS OF ALL UTILITIES AND SERVICES. ALL WORK TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY COMPANY OR AGENCY INVOLVED.
11. WHEN UNLOCATED OR INCORRECTLY LOCATED, A BREAK IN UTILITY LINES, OR OTHER UTILITIES AND SERVICES ARE ENCOUNTERED DURING SITE WORK OPERATIONS, CONTRACTOR SHALL NOTIFY THE APPLICABLE UTILITY COMPANY IMMEDIATELY TO OBTAIN PROCEDURE DIRECTIONS. CONTRACTOR SHALL COOPERATE WITH THE APPLICABLE UTILITY COMPANY IN MAINTAINING ACTIVE SERVICES IN OPERATION.
12. CONTRACTOR TO LOCATE, PROTECT AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS AND PROJECT ENGINEERING REFERENCE POINTS. RE-ESTABLISH DISTURBED OR DESTROYED ITEMS BY A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, AT NO ADDITIONAL COST TO OWNER.
13. WHEN CONSTRUCTION IS BEING CARRIED OUT WITHIN EASEMENTS, THE CONTRACTOR SHALL CONFINE THEIR WORK TO WITHIN THE PERMANENT AND TEMPORARY EASEMENTS. PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TRASH AND DEBRIS WITHIN THE PERMANENT AND TEMPORARY EASEMENTS. CLEAN-UP SHALL BE TO THE SATISFACTION OF THE ENGINEER.
14. FLEXIBLE BASE MATERIAL FOR PUBLIC STREETS SHALL BE TXDOT TYPE A GRADE 1.
15. HOT MIX ASPHALTIC CONCRETE PAVEMENT SHALL BE TYPE D UNLESS OTHERWISE SPECIFIED AND SHALL BE A MINIMUM OF 2 INCHES THICK ON PUBLIC STREETS AND ROADWAYS.
16. ALL SIDEWALK RAMPS ARE TO BE INSTALLED WITH THE PUBLIC INFRASTRUCTURE.
17. A MAINTENANCE BOND IS REQUIRED TO BE SUBMITTED TO THE CITY PRIOR TO ACCEPTANCE OF THE PUBLIC IMPROVEMENTS. THIS BOND SHALL BE ESTABLISHED FOR 2 YEARS IN THE AMOUNT OF 10% OF THE COST OF THE PUBLIC IMPROVEMENTS AND SHALL FOLLOW THE CITY FORMAT.

18. THE CONTRACTOR AND THE ENGINEER SHALL KEEP ACCURATE RECORDS OF ALL CONSTRUCTION THAT DEVIATES FROM THE PLANS. RECORD DRAWINGS OF PUBLIC IMPROVEMENTS SHALL BE SUBMITTED TO THE CITY BY THE DESIGN ENGINEER PRIOR TO ACCEPTANCE OF THE PROJECT. THESE DRAWINGS SHALL BE A PDF EMAILED TO THE CITY DEVELOPMENT ENGINEER ALONG WITH A LETTER CERTIFICATION FROM A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS, STATING THAT SAID PROJECT HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THESE PLANS, PRIOR TO THE OWNER BEING ISSUED A CERTIFICATION OF COMPLETION AND FINAL ACCEPTANCE. THESE RECORD DRAWINGS SHALL MEET WITH THE SATISFACTION OF THE ENGINEERING AND DEVELOPMENT SERVICES DEPARTMENTS PRIOR TO FINAL ACCEPTANCE.
19. CONTRACTOR SHALL STRIP SIX (6) INCHES OF TOPSOIL FROM ALL AREAS SUBJECT TO GRADE MODIFICATION. REMOVE ALL AREAS OF WEAK SOIL.
20. THE CONTRACTOR SHALL PROTECT ALL EXISTING FENCES. IN THE EVENT THAT A FENCE MUST BE REMOVED, THE CONTRACTOR SHALL REPLACE SAID FENCE OR PORTION THEREOF WITH THE SAME TYPE OF FENCING TO A QUALITY OF EQUAL OR BETTER THAN THE ORIGINAL FENCE.
21. UPON COMPLETION OF THE PROJECT, THE SITE(S) AS DEFINED HEREIN SHALL BE CLEANED OF ALL DEBRIS AND LEFT IN A NEAT AND PRESENTABLE CONDITION.
22. ALL ADJOINING PAVEMENT SECTIONS SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION AND ANY DAMAGES INCURRED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED AND/OR REPLACED AT THE CONTRACTOR'S EXPENSE.
23. CONTRACTOR TO CONTROL DUST CAUSED BY WORK AND COMPLY WITH POLLUTION CONTROL REGULATIONS OF GOVERNING AUTHORITIES (NO SEPARATE PAY).
24. TRAFFIC CONTROLS TO BE INSTALLED IN ACCORDANCE WITH THE CURRENT TXDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TXDOT BARRICADE AND CONSTRUCTION STANDARDS. CONTRACTORS SHALL PROVIDE A PROJECT SIGN AT EACH END OF THE PROJECT LIMITS PER CITY OF GEORGETOWN STANDARD SD26.
25. REVEGETATE ALL DISTURBED AREAS UPON COMPLETION OF THE WORK PER CITY OF GEORGETOWN CONSTRUCTION STANDARDS.
26. CONTRACTOR TO EXERCISE CAUTION DURING CONSTRUCTION NEAR AND AROUND GAS LINES AND POWER LINES.
27. NO WORK IS TO BE PERFORMED BETWEEN THE HOURS OF 6:00 PM AND 7:00 AM. ALL WORK REQUIRING CITY INSPECTION SHALL BE PERFORMED MONDAY THROUGH FRIDAY. THE CITY RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO UNCOVER ALL WORK PERFORMED WITHOUT INSPECTION.
28. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION VERTICALLY AND HORIZONTALLY OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK, AND SHALL NOTIFY THE ENGINEER AND THE CITY IF THE EXISTING UTILITY LOCATION AND DEPTHS ARE DIFFERENT FROM WHAT IS SHOWN ON THE PLANS. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE ASSOCIATED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
29. ALL FIRE LINES SHALL BE DUCTILE IRON.
30. DETECTABLE TAPE SHALL BE USED FOR ALL UNDERGROUND UTILITIES. TAPE MUST BE 12" WIDE 5 MIL WITH APPLICABLE COLOR AND LABEL.
31. CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING ROADS AND DRIVES ADJACENT TO AND NEAR THE SITE FREE FROM SOIL, SEDIMENT AND DEBRIS. CONTRACTOR WILL NOT REMOVE SOIL, SEDIMENT OR DEBRIS FROM ANY AREA OR VEHICLE BY MEANS OF WATER, ONLY SHOVELING AND SWEEPING WILL BE ALLOWED. CONTRACTOR WILL BE RESPONSIBLE FOR DUST CONTROL FROM THE SITE.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO PRIVATE PROPERTY WHICH OCCURS AS A RESULT OF ANY PORTION OF THIS PROJECT. ANY DAMAGE TO PRIVATE PROPERTY SHALL BE REPAIRED TO EQUAL OR BETTER CONDITION. THE CONTRACTOR SHALL PAY AND/OR SETTLE WITH PRIVATE PROPERTY OWNER(S) FOR ALL COST RELATED TO DAMAGE. THE CITY WILL NOT PROVIDE SEPARATE PAY FOR REPAIR OF DAMAGES, REIMBURSEMENTS OR SETTLEMENTS.

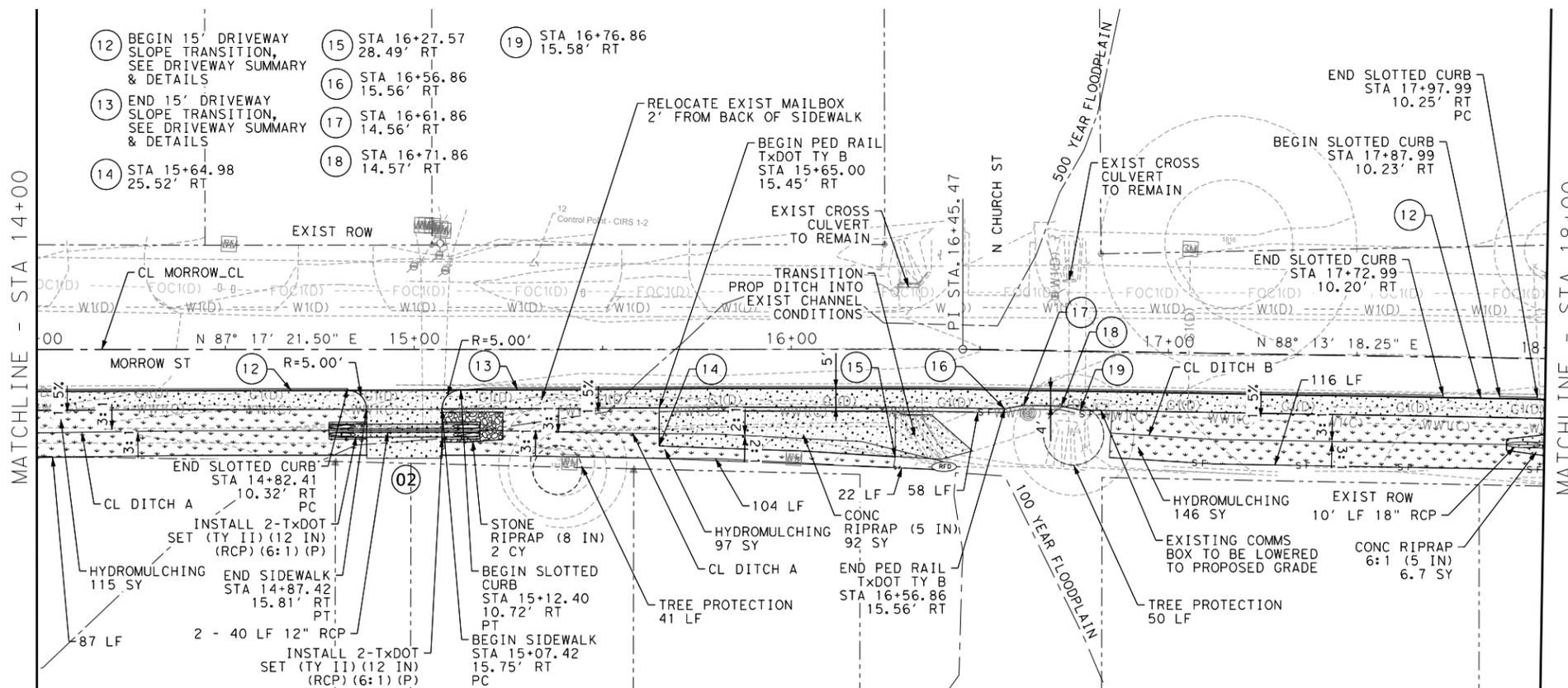
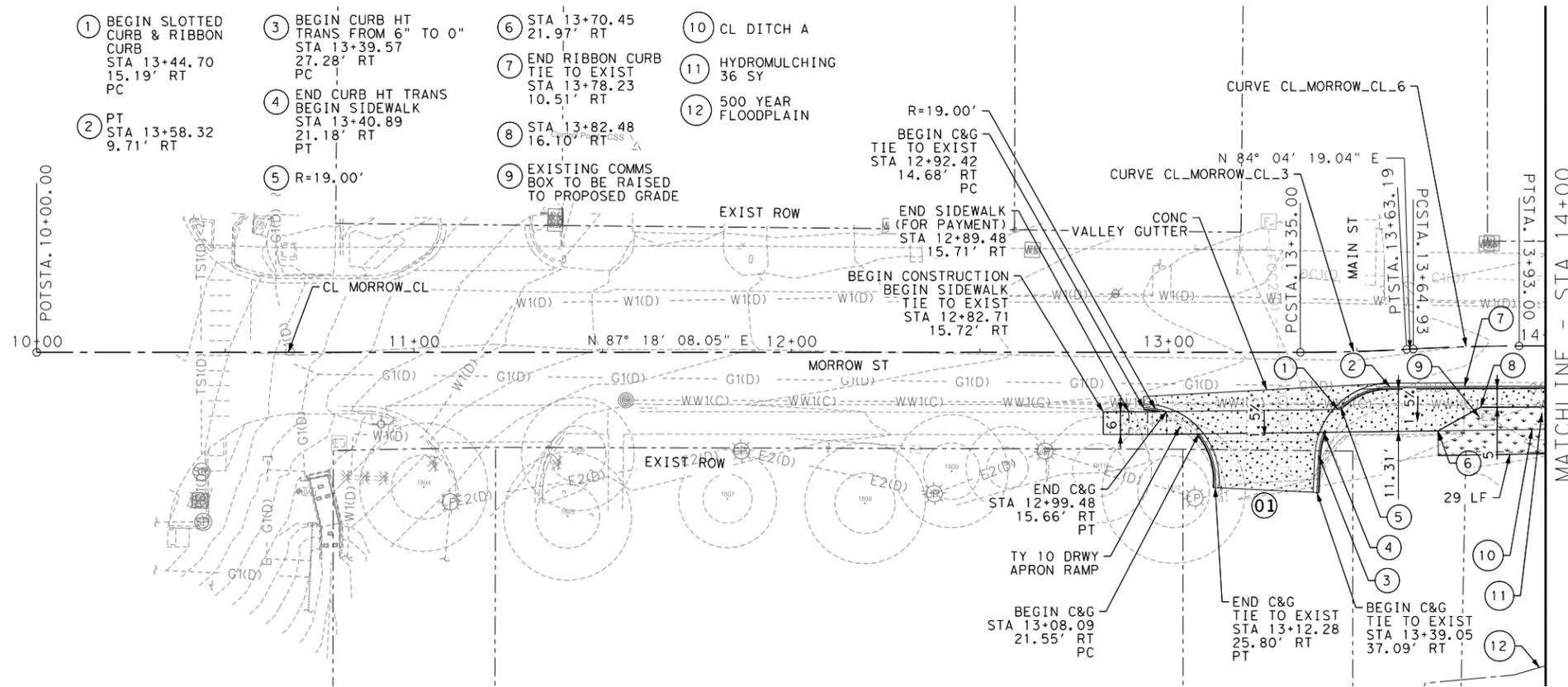


MORROW STREET  
SIDEWALKS

GENERAL NOTES

SHEET 1 OF 1			
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	GTO	WILLIAMSON	6

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**LEGEND**

- EXIST ROW
- DRIVEWAY NUMBER
- PROP SIDEWALK/ DRIVEWAY/ RIPAP
- PROP 4" TOPSOIL & HYDROMULCHING
- ROCK BERM
- SILT FENCE

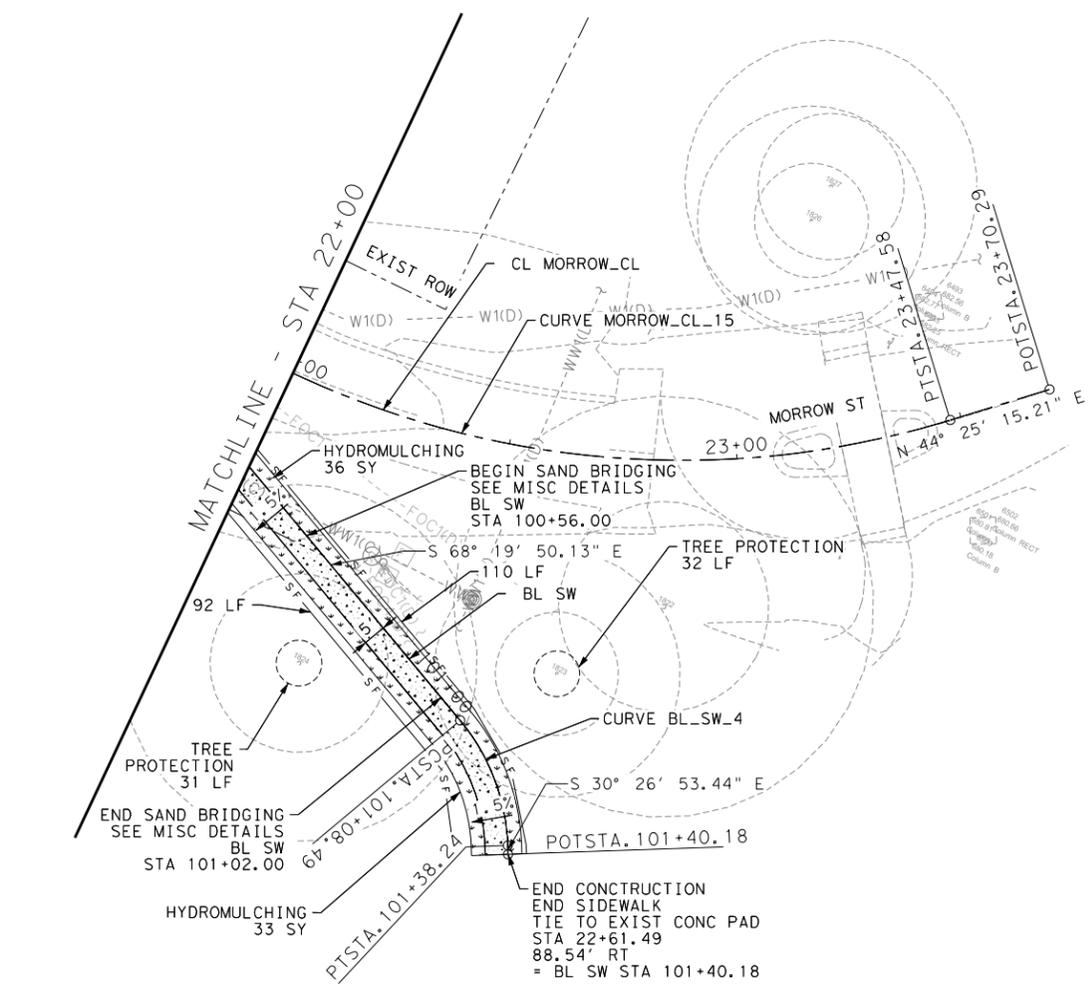
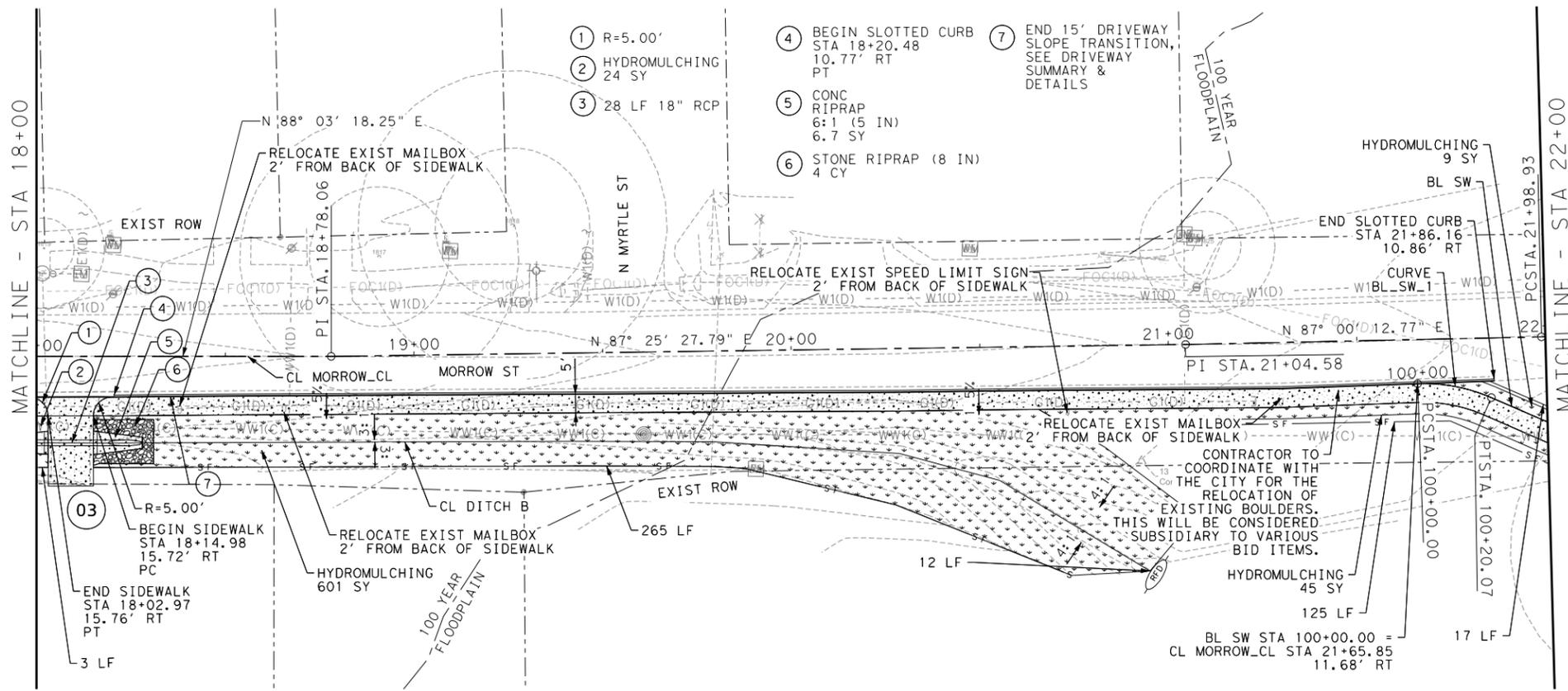
- NOTES:
1. ALL CALLOUTS ARE TO FACE OF CURB AND MORROW\_CL UNLESS NOTED OTHERWISE.
  2. PROP SLOTTED CURB AND SIDEWALK TO BE INSTALLED ADJACENT TO EXIST RIBBON CURB. CONTRACTOR TO FIELD LOCATE BACK OF EXIST RIBBON CURB AND MAINTAIN SIDEWALK WIDTH AS SHOWN IN PLANS.
  3. THE CONTRACTOR SHALL INSTALL SW3P MEASURES IN ACCORDANCE WITH CITY OF GEORGETOWN AND TxDOT STANDARDS AND SPECIFICATIONS AND AS DIRECTED BY THE PROJECT ENGINEER. THE CONTRACTOR SHALL BE CAUTIOUS NOT TO DAMAGE ANY TREE ROOTS WHEN INSTALLING SILT FENCE INSIDE THE CRITICAL ROOT ZONE. ALTERNATIVELY, THE SILT FENCE CAN BE REPLACED BY EROSION CONTROL LOGS IN THIS AREA. THIS SHALL BE SUBSIDIARY TO SILT FENCE ITEM.
  4. SEE MISCELLANEOUS DETAILS AND DRIVEWAY SUMMARY & DETAILS SHEETS FOR ADDITIONAL INFORMATION.
  5. THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER REGARDING HARDSCAPE FROM LANDSCAPE REMOVAL.
  6. THE CONTRACTOR SHALL VERIFY VERTICAL CLEARANCE OF 80". ALL TREE TRIMMING WILL BE SUBSIDIARY TO VARIOUS BID ITEMS AND SHALL BE COMPLETED BY A CERTIFIED ARBORIST.
  7. THE CONTRACTOR SHALL ADJUST EXIST IRRIGATION SYSTEMS WITHIN SIDEWALK LIMITS AND RETURN TO EXIST WORKING CONDITION IF IRRIGATION LINES ARE FOUND. THIS WILL BE SUBSIDIARY TO VARIOUS BID ITEMS.
  8. SEE DITCH PLAN AND PROFILE SHEETS FOR DRIVEWAY CULVERT FLOWLINE INFORMATION.



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MORROW STREET  
 SIDEWALKS  
 SIDEWALK LAYOUT  
 BEGIN TO STA 18+00

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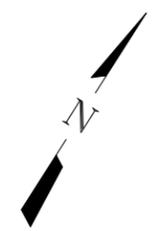


- ① R=5.00'
- ② HYDROMULCHING 24 SY
- ③ 28 LF 18" RCP
- ④ BEGIN SLOTTED CURB STA 18+20.48 10.77' RT PT
- ⑤ CONC RIPRAP 6:1 (5 IN) 6.7 SY
- ⑥ STONE RIPRAP (8 IN) 4 CY
- ⑦ END 15' DRIVEWAY SLOPE TRANSITION, SEE DRIVEWAY SUMMARY & DETAILS

**LEGEND**

- EXIST ROW -----
- DRIVEWAY NUMBER (XX)
- PROP SIDEWALK/ DRIVEWAY/ RIPAP [Symbol]
- PROP 4" TOPSOIL & HYDROMULCHING [Symbol]
- ROCK BERM [Symbol]
- SILT FENCE - SF -

- NOTES:
1. ALL CALLOUTS ARE TO FACE OF CURB AND MORROW\_CL UNLESS NOTED OTHERWISE.
  2. PROP SLOTTED CURB AND SIDEWALK TO BE INSTALLED ADJACENT TO EXIST RIBBON CURB. CONTRACTOR TO FIELD LOCATE BACK OF EXIST RIBBON CURB AND MAINTAIN SIDEWALK WIDTH AS SHOWN IN PLANS.
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  4. SEE MISCELLANEOUS DETAILS AND DRIVEWAY SUMMARY & DETAILS SHEETS FOR ADDITIONAL INFORMATION.
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  8. SEE DITCH PLAN AND PROFILE SHEETS FOR DRIVEWAY CULVERT FLOWLINE INFORMATION.



08/14/2023



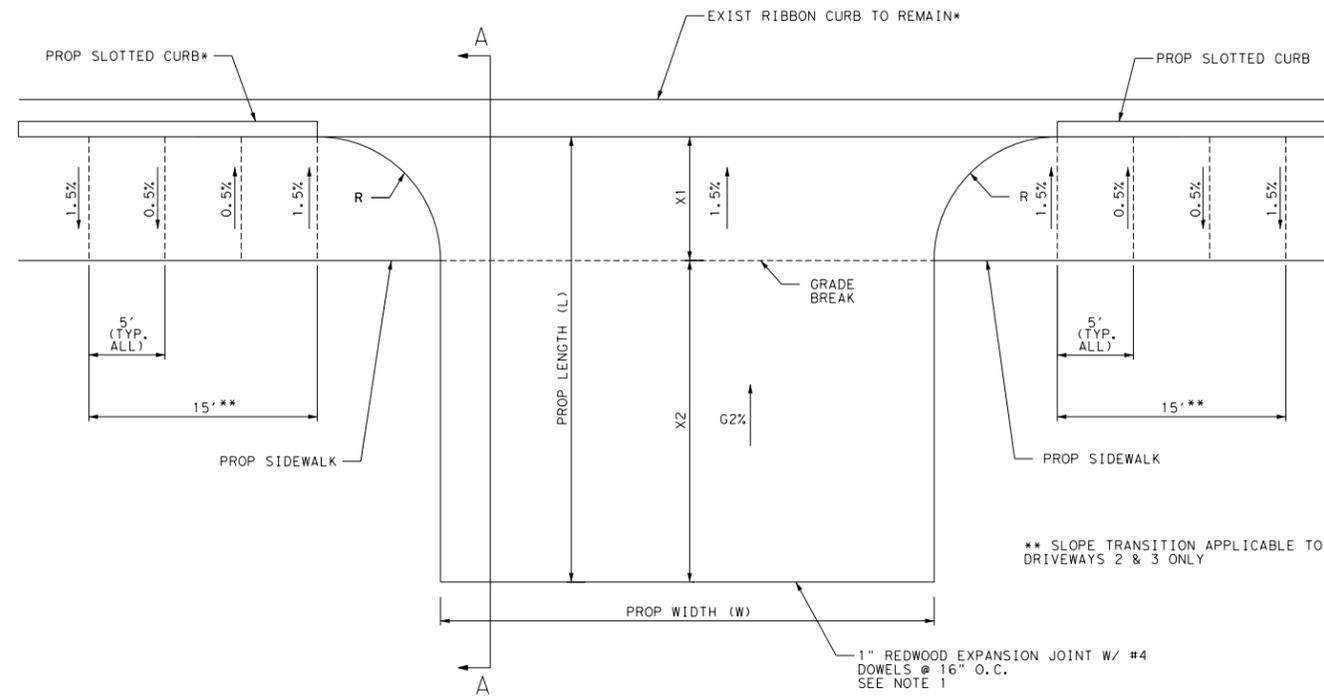
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MORROW STREET  
 SIDEWALKS  
 SIDEWALK LAYOUT  
 STA 18+00 TO END

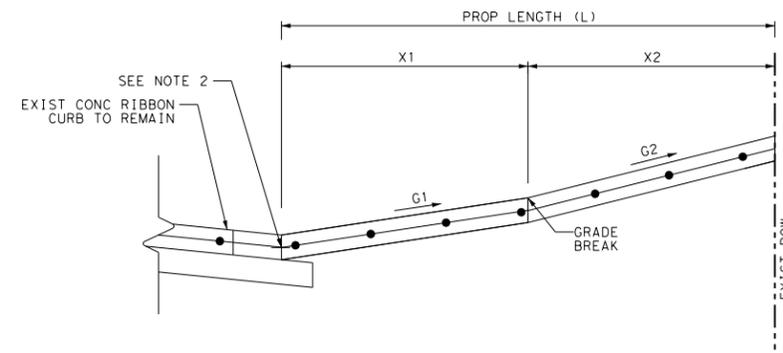
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SHEET 2 OF 2

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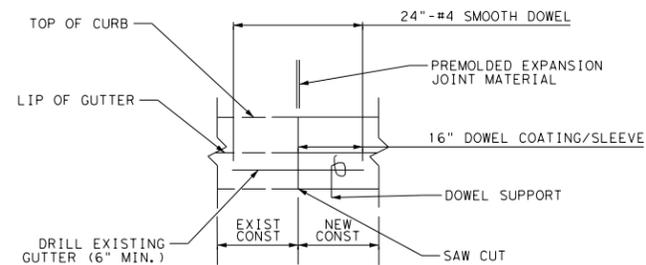


TYPICAL DRIVEWAY WITH SLOPE TRANSITION\*\*  
 NTS



SECTION A-A  
 NTS

NOTE:  
 PROP DRIVEWAY CONSTRUCTION TO END AT EXIST ROW. ROW TO BE CONFIRMED WITH SURVEY (PENDING 100%)



EXPANSION JOINT DETAIL  
 NTS

PROP DRIVEWAYS										
DRIVEWAY NUMBER	STA	SIDE	W (FT)	R (FT)	X1 (FT)	G1 (%)	X2 (FT)	G2 (%)	L (FT)	AREA (SY)
1	13+25.87	RT	25*	20	6.0*	-1.5	15.0	-4.9	21.0	98
2	14+97.46	RT	20	5	9.7	1.5	8.4	-8.0	18.2	41
3	18+09.03	RT	12	5	5.0	1.5	18.5	0.8	23.5	33

\*DRIVEWAY 1 VARIES FROM TYPICAL SHOWN AND INCLUDES A CONC VALLEY GUTTER AND PROP CURB AND GUTTER AND RIBBON CURB.  
 DRIVEWAY 1 WIDTH MEASURED EOP TO EOP.  
 DRIVEWAY 1 MEASURED FROM FRONT OF PROP SIDEWALK/ BACK OF VALLEY GUTTER.

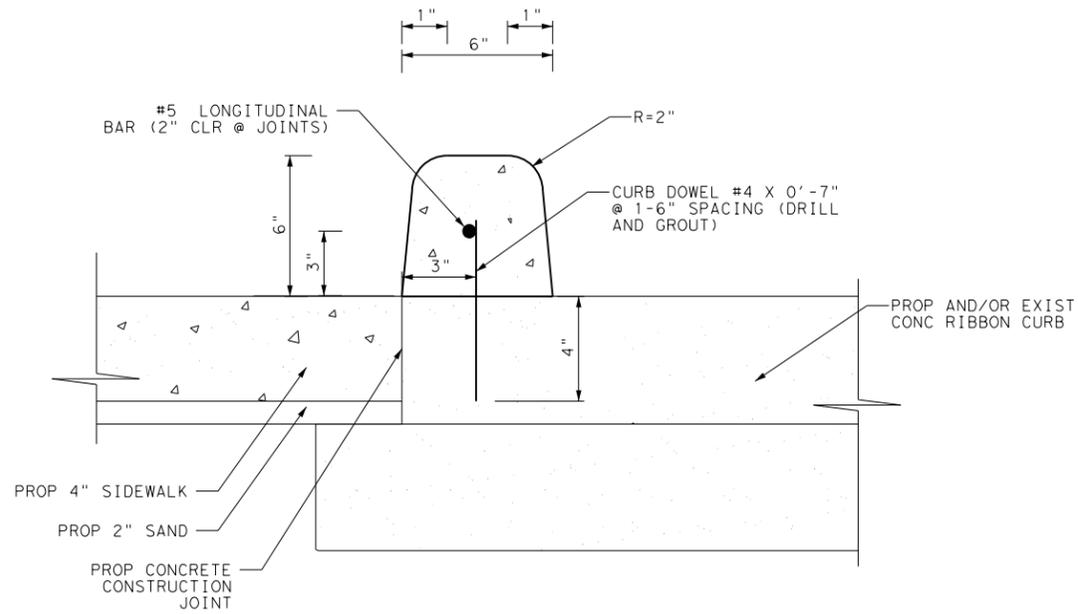
NOTE:  
 1. EXPANSION DETAIL ONLY APPLICABLE WHEN TYING INTO EXIST CONCRETE.  
 2. DRILL AND GROUT DOWEL BARS SHOWN AS PER TXDOT SPEC ITEM 420.4.7.10, 6" EMBEDMENT, MINIMUM ON CONC.



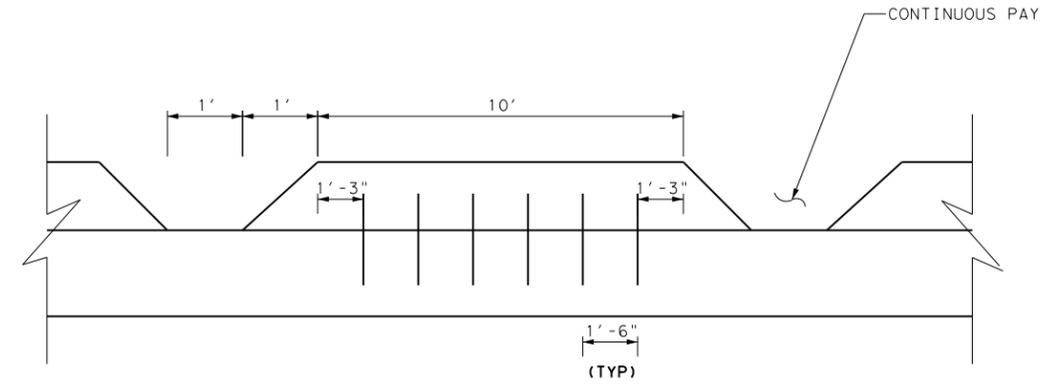
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MORROW STREET  
 SIDEWALKS  
 DRIVEWAY SUMMARY  
 & DETAILS

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SECTION VIEW  
NTS



ELEVATION VIEW  
NTS

SLOTTED CURB ON EXIST OR PROP  
 RIBBON CURB  
 (PAY ITEM GEO-C4B)

NOTES:

1. DRILL AND GROUT DOWEL BARS SHOWN AS PER TXDOT SPEC ITEM 420.4.7.70, 4" EMBEDMENT, MINIMUM ON CONC
2. SLOTTED CURB WILL BE PAID FOR USING ITEM GEO-C4B.
3. REFER TO COG STANDARD SD06 FOR ADDITIONAL CONSTRUCTION AND MATERIAL INFORMATION.
4. CONSTRUCT ACCORDING TO COG SPECIFICATION C4.



08/14/2023



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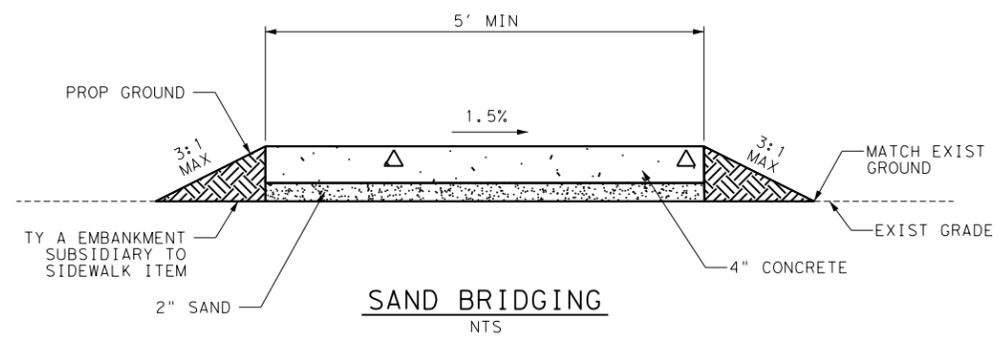
MORROW STREET  
 SIDEWALKS

MISCELLANEOUS  
 DETAILS

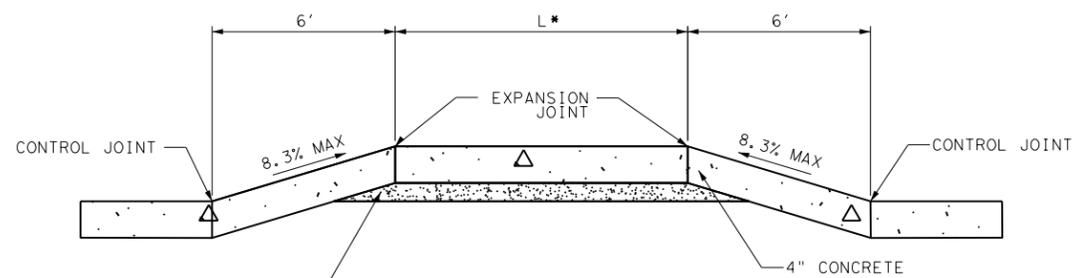
SHEET 1 OF 2

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	GTO	WILLIAMSON	12

DATE: Aug. 11, 2023 - 04:15:40 PM  
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**SAND BRIDGING**  
 NTS



**SAND BRIDGING PROFILE**  
 NTS

\* L TO BE DETERMINED IN THE FIELD.



08/14/2023



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MORROW STREET  
 SIDEWALKS

MISCELLANEOUS  
 DETAILS

SHEET 2 OF 2

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	GTO	WILLIAMSON	13

# 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: Tam Tran

Date: 07/14/2023

Signature of Customer/Agent:



---

Regulated Entity Name: Morrow Street Sidewalk Development

## 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: gasoline, diesel

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: San Gabriel River

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

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

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

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

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

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

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

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

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

### ***Administrative Information***

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

## **Attachment A**

### **Spill Response Actions**

The TCEQ's spill response rules (30 TAC § 327.1-5) define what is considered a reportable spill and outline reporting requirements to the state, local government, and affected persons or property owners. Response and follow-up written report requirements are also identified.

The reportable quantities (RQ) for hazardous substances shall be:

- (1) for spills or discharges onto land--the quantity designated as the Final Reportable Quantity (RQ) in Table 302.4 in 40 CFR §302.4; or
- (2) for spills or discharges into waters in the state--the quantity designated as the Final RQ in Table 302.4 in 40 CFR §302.4, except where the Final RQ is greater than 100 pounds in which case the RQ shall be 100 pounds.

The RQ for crude oil and oil other than that defined as petroleum product or used oil shall be:

- (A) for spills or discharges onto land--210 gallons (five barrels); or
- (B) for spills or discharges directly into water in the state--quantity sufficient to create a sheen.

The RQ for petroleum product and used oil shall be:

- (A) except as noted in subparagraph (B) of this paragraph, for spills or discharges onto land--25 gallons;
- (B) for spills or discharges to land from PST exempted facilities--210 gallons (five barrels); or
- (C) for spills or discharges directly into water in the state--quantity sufficient to create a sheen.

Industrial solid waste or other substances. The RQ for spills or discharges into water in the state shall be 100 pounds.

Upon the determination that a reportable discharge or spill has occurred, the responsible person shall notify the agency as soon as possible but not later than 24 hours after the discovery of the spill or discharge. The responsible person shall notify the agency in any reasonable manner including by telephone, in person, or by any other method approved by the agency. In all cases, the initial notification shall provide, to the extent known, the following information:

- (1) the name, address and telephone number of the person making the telephone report;
- (2) the date, time, and location of the spill or discharge;
- (3) a specific description or identification of the oil, petroleum product, hazardous substances or other substances discharged or spilled;
- (4) an estimate of the quantity discharged or spilled;
- (5) the duration of the incident;
- (6) the name of the surface water or a description of the waters in the state affected or threatened by the discharge or spill;
- (7) the source of the discharge or spill;
- (8) a description of the extent of actual or potential water pollution or harmful impacts to the environment and an identification of any environmentally sensitive areas or natural resources at risk;
- (9) if different from paragraph (1) of this subsection, the names, addresses, and telephone numbers of the responsible person and the contact person at the location of the discharge or spill;
- (10) a description of any actions that have been taken, are being taken, and will be taken to contain and respond to the discharge or spill;
- (11) any known or anticipated health risks;
- (12) the identity of any governmental representatives, including local authorities or third parties, responding to the discharge or spill; and
- (13) any other information that may be significant to the response action.

In order to satisfy the federal requirement to notify the State Emergency Response Commission in the State of Texas, the responsible person shall notify one of the following:

- (1) the State of Texas Spill-Reporting Hotline at 1-800-832-8224;

- (2) during normal business hours only, the regional office for the agency region in which the discharge or spill occurred; or
- (3) the National Response Center at 1-800-424-8802.

The responsible person shall notify the agency as soon as possible whenever necessary to provide information that would trigger a change in the response to the spill or discharge. If the discharge or spill creates an imminent health threat, the responsible person shall immediately notify and cooperate with local emergency authorities (fire department, fire marshal, law enforcement authority, health authority, or Local Emergency Planning Committee (LEPC), as appropriate). The responsible party will cooperate with the local emergency authority in providing support to implement appropriate notification and response actions. The local emergency authority, as necessary, will implement its emergency management plan, which may include notifying and evacuating affected persons. In the absence of a local emergency authority, the responsible person shall take reasonable measures to notify potentially affected persons of the imminent health threat.

The responsible person shall immediately abate and contain the spill or discharge and cooperate fully with the executive director and the local incident command system. The responsible person shall also begin reasonable response actions which may include, but are not limited to, the following actions:

- (1) arrival of the responsible person or response personnel hired by the responsible person at the site of the discharge or spill;
- (2) initiating efforts to stop the discharge or spill;
- (3) minimizing the impact to the public health and the environment;
- (4) neutralizing the effects of the incident;
- (5) removing the discharged or spilled substances; and
- (6) managing the wastes.

Texas Commission on Environmental Quality (TCEQ). 2016. 30 TAC § 327.1-5. Chapter 327:  
Spill Prevention and Control.

<https://www.tceq.texas.gov/assets/public/legal/rules/rules/pdflib/327.pdf>

## **Attachment B**

### **Potential Sources of Contamination**

During the proposed project, the sources of potential contamination includes fuel and hydraulic fluid in the construction equipment and vehicles that will be used for the mechanized clearing, grubbing, and trenching. Equipment and vehicles will be regularly inspected and maintained. No contamination is expected to occur.

## Attachment C

### Sequence of Major Activities

<b>Activity</b>	<b>Description</b>	<b>Approximate Area of Disturbance</b>
Install traffic and erosion control devices	Install traffic controls. Silt fencing and rock filter dams.	<0.1 acres
Site preparation and channel excavation		0.53 acres
Install concrete driveways		<0.1 acres
Install concrete sidewalks		0.12 acres
Install concrete curb		<0.1 acres
Install concrete riprap		<0.1 acres
Install hydro-mulching and top soil	Hydro-mulching with native grasses.	0.21 acres
Remove traffic and erosion control devices	Return site to pre-construction conditions.	<0.1 acres

Note: All temporary Stormwater control measures described in Attachment D will be implemented prior to and during all phases of construction.

## Attachment D

### Temporary Best Management Practices and Measures

BMP	Sequence of Construction	Control Measures
Debris and trash management	Pre-construction	Trash and liter control
Sanitary facilities	Pre-construction	Sanitary waste control
Silt fence	Pre-construction	Sediment control
Rock filter dam	Pre-construction	Sediment control
Vegetation	Post construction	Slope protection; stabilization
Mulching	Post construction	Slope protection; stabilization

The BMPs that will be in place during and after construction have been selected to help prevent pollution of surface water, groundwater, stormwater, the aquifer, or any other sensitive features that may be on or near the proposed project site. The measures to help prevent this pollution and maintain flow to naturally-occurring sensitive features are described below. There is no surface water on the project site.

Sanitary facilities and debris and trash management will help reduce sanitary waste and trash liter from polluting the project site and surrounding areas.

Silt fencing and rock filter dams will be constructed around the perimeter of the disturbed area to filter sediment from water flowing over the disturbed area. The silt fence and rock filter dam will help retain soil and sediment on the construction site. By filtering water runoff, the possibility of pollution to any surface waters that may be near the site is reduced.

Vegetation will be used for temporary stabilization throughout the disturbed project area. Vegetated the disturbed area provides protection from erosion and filtering from overland runoff. The filtering and reduced runoff will aid in preventing pollution of surface water, groundwater, or sensitive features that may be on or near the project site during and after construction activities. Mulching will be used to temporarily help stabilize and protect the disturbed soil from erosion. It will also help reduce the volume of sediment-laden water flow from leaving the mulched area.

Resources:

North Central Texas Council of Governments (NCTCOG). 2003. Integrated Storm Water Management Design Manual for Construction.

[http://www.iswm.nctcog.org/Documents/Construction/Final/pdf/Ch4\\_E\\_BMPs.pdf](http://www.iswm.nctcog.org/Documents/Construction/Final/pdf/Ch4_E_BMPs.pdf)

Barrett, Michael. 2005. TCEQ Complying with the Edwards Aquifer Rules: Technical Guidance of Best Management Practices (RG-348).

## **Attachment F**

### **Structural Practices**

The use of rock filter dams will divert flows away from exposed soils from project disturbance and limit runoff discharge of pollutants from exposed areas of the site. Rock filter dams are used to prevent off-site upgradient sediment-laden flow from entering disturbed areas (TCEQ RG-348, 2005). Use of silt fences will filter sediment from on-site runoff, containing sediment in the disturbed area and preventing potential pollution to off-site areas.

## **Attachment G. Drainage Area Maps**

**LEGEND**

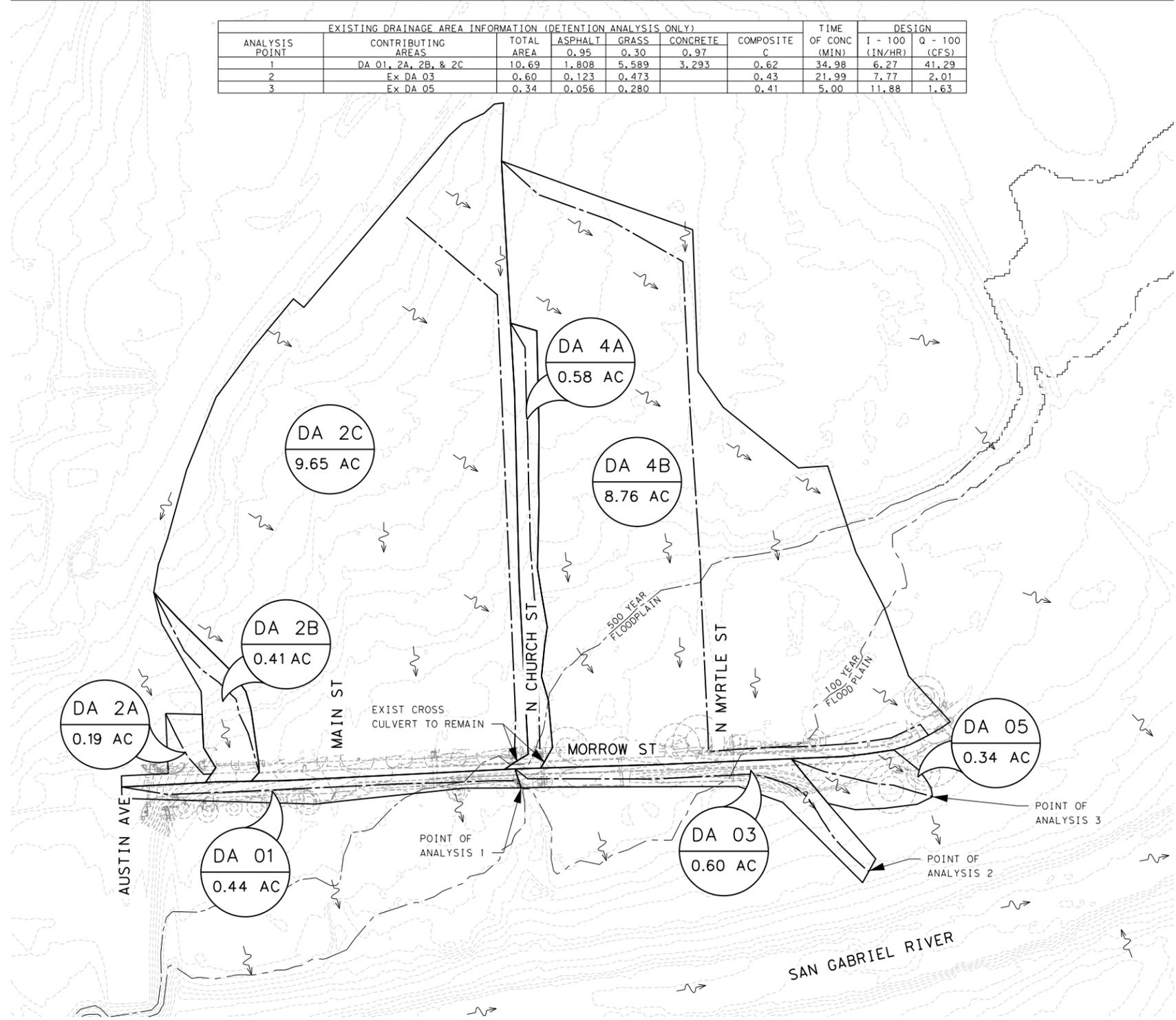
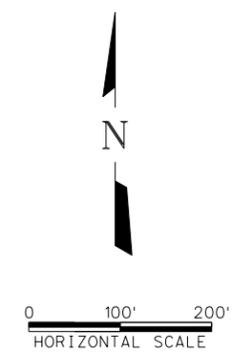
TIME OF CONCENTRATION   
 FLOW DIRECTION 

AREA ID	DRAINAGE AREA INFORMATION					TIME OF CONC (MIN)	ANALYSIS		ANALYSIS		ANALYSIS		DESIGN	
	TOTAL AREA	ASPHALT	GRASS	CONCRETE/ROOF	COMPOSITE		I - 2 (IN/HR)	Q - 2 (CFS)	I - 10 (IN/HR)	Q - 10 (CFS)	I - 25 (IN/HR)	Q - 25 (CFS)	I - 100 (IN/HR)	Q - 100 (CFS)
Ex DA 01	0.44	0.176	0.236	0.032	0.61	12.97	4.88	1.31	6.68	1.80	7.74	2.08	9.46	2.55
Ex DA 2A	0.19	0.079	0.015	0.094	0.91	5.00	6.48	1.10	8.64	1.47	9.84	1.68	11.88	2.03
Ex DA 2B	0.41	0.023	0.116	0.274	0.78	8.60	5.64	1.82	7.61	2.45	8.75	2.82	10.62	3.42
Ex DA 2C	9.65	1.530	5.230	2.893	0.60	34.98	2.96	17.22	4.26	24.81	5.05	29.42	6.27	36.53
Ex DA 03	0.60	0.123	0.473	0.014	0.43	21.99	3.84	0.99	5.38	1.39	6.31	1.63	7.77	2.01
Ex DA 4A	0.58	0.229	0.336	0.014	0.57	23.14	3.74	1.24	5.26	1.74	6.17	2.05	7.61	2.52
Ex DA 4B	8.76	1.268	5.237	2.254	0.57	58.90	2.09	10.39	3.13	15.55	3.76	18.66	4.71	23.39
Ex DA 05	0.34	0.056	0.280	0.014	0.41	5.00	6.48	0.89	8.64	1.18	9.84	1.35	11.88	1.63

ANALYSIS POINT	EXISTING DRAINAGE AREA INFORMATION (DETENTION ANALYSIS ONLY)					TIME OF CONC (MIN)	DESIGN		
	CONTRIBUTING AREAS	TOTAL AREA	ASPHALT	GRASS	CONCRETE		COMPOSITE	I - 100 (IN/HR)	Q - 100 (CFS)
1	DA 01, 2A, 2B, & 2C	10.69	1.808	5.589	3.293	0.62	34.98	6.27	41.29
2	Ex DA 03	0.60	0.123	0.473	0.014	0.43	21.99	7.77	2.01
3	Ex DA 05	0.34	0.056	0.280	0.014	0.41	5.00	11.88	1.63

**NOTES:**

1. FLOWS CALCULATED USING RATIONAL METHOD AS OUTLINED IN THE GEO DCM 1ST EDITION VERSION 2.
2. TIME OF CONCENTRATION CALCULATED USING NRCS METHOD AS OUTLINED IN THE GEO DCM 1ST EDITION VERSION 2.
3. FOR TIME OF CONCENTRATION CALCULATIONS SEE SHEET 16.
4. MIN TOC OF 5 MINS USED AS OUTLINED IN THE GEO DCM 1ST EDITION VERSION 2.
5. PROJECT AREA LIES WITHIN FEMA FIRMETTE PANEL 48491C0293F.





**GEORGETOWN TEXAS**  
more than welcome

---



**FREESE NICHOLS**  
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Web - www.freese.com  
TX FIRM F-2144

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MORROW STREET  
SIDEWALKS

EXISTING DRAINAGE  
AREAS & CALCS

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SHEET 1 OF 1			
© 2023	CITY	COUNTY	SHEET NO.
	GTO	WILLIAMSON	14

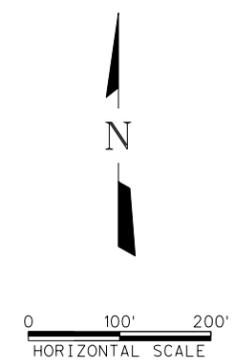
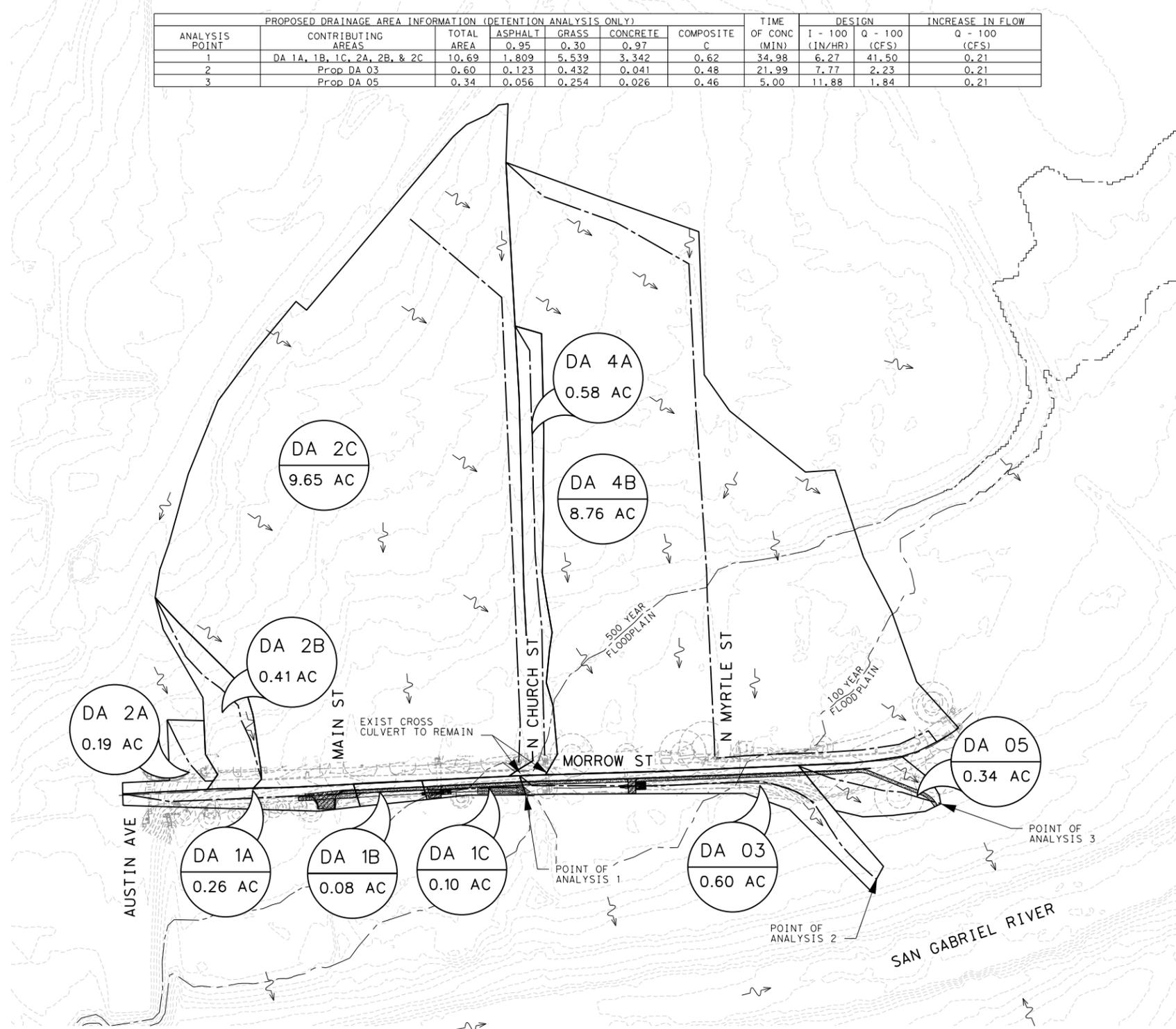
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**LEGEND**

TIME OF CONCENTRATION   
 FLOW DIRECTION 

AREA ID	DRAINAGE AREA INFORMATION					TIME OF CONC (MIN)	ANALYSIS		ANALYSIS		ANALYSIS		DESIGN	
	TOTAL AREA	ASPHALT 0.95	GRASS 0.30	CONCRETE/ROOF 0.97	COMPOSITE C		I - 2 (IN/HR)	Q - 2 (CFS)	I - 10 (IN/HR)	Q - 10 (CFS)	I - 25 (IN/HR)	Q - 25 (CFS)	I - 100 (IN/HR)	Q - 100 (CFS)
Prop DA 1A	0.26	0.125	0.103	0.034	0.70	9.96	5.38	0.98	7.29	1.33	8.41	1.54	10.23	1.87
Prop DA 1B	0.08	0.021	0.047	0.013	0.57	5.00	6.48	0.30	8.64	0.40	9.84	0.46	11.88	0.55
Prop DA 1C	0.10	0.031	0.036	0.034	0.72	5.00	6.48	0.47	8.64	0.63	9.84	0.72	11.88	0.87
Prop DA 2A	0.19	0.079	0.015	0.094	0.91	5.00	6.48	1.10	8.64	1.47	9.84	1.68	11.88	2.03
Prop DA 2B	0.41	0.023	0.116	0.274	0.78	8.60	5.64	1.82	7.61	2.45	8.75	2.82	10.62	3.42
Prop DA 2C	9.65	1.530	5.230	2.893	0.60	34.98	2.96	17.22	4.26	24.81	5.05	29.42	6.27	36.53
Prop DA 03	0.60	0.123	0.432	0.041	0.48	21.99	3.84	1.10	5.38	1.54	6.31	1.81	7.77	2.23
Prop DA 4A	0.58	0.229	0.336		0.55	23.14	3.74	1.19	5.26	1.67	6.17	2.05	7.61	2.52
Prop DA 4B	8.76	1.268	5.237		0.32	58.90	2.09	5.81	3.13	8.70	3.76	10.44	4.71	13.09
Prop DA 05	0.34	0.056	0.254	0.026	0.46	5.00	6.48	1.00	8.64	1.34	9.84	1.52	11.88	1.84

PROPOSED DRAINAGE AREA INFORMATION (DETENTION ANALYSIS ONLY)								TIME OF CONC (MIN)	DESIGN		INCREASE IN FLOW Q - 100 (CFS)
ANALYSIS POINT	CONTRIBUTING AREAS	TOTAL AREA	ASPHALT 0.95	GRASS 0.30	CONCRETE 0.97	COMPOSITE C	I - 100 (IN/HR)		Q - 100 (CFS)		
1	DA 1A, 1B, 1C, 2A, 2B, & 2C	10.69	1.809	5.539	3.342	0.62	34.98	6.27	41.50	0.21	
2	Prop DA 03	0.60	0.123	0.432	0.041	0.48	21.99	7.77	2.23	0.21	
3	Prop DA 05	0.34	0.056	0.254	0.026	0.46	5.00	11.88	1.84	0.21	



- NOTES:**
1. FLOWS CALCULATED USING RATIONAL METHOD AS OUTLINED IN THE GEO DCM 1ST EDITION VERSION 2.
  2. TIME OF CONCENTRATION CALCULATED USING NRCS METHOD AS OUTLINED IN THE GEO DCM 1ST EDITION VERSION 2.
  3. FOR TIME OF CONCENTRATION CALCULATIONS SEE SHEET 16.
  4. MIN TOC OF 5 MINS USED AS OUTLINED IN THE GEO DCM 1ST EDITION VERSION 2.
  5. PROJECT AREA LIES WITHIN FEMA FIRMETTE PANEL 48491C0293F.



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 TX FIRM F-2144

MORROW STREET  
 SIDEWALKS  
 PROPOSED DRAINAGE  
 AREAS & CALCS

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EXISTING TC

AREA ID	OVERLAND FLOW CALCULATION					SHALLOW CONCENTRATED FLOW CALCULATION					CHANNELIZED FLOW CALCULATION					TOTAL TIME (MIN)	
	LENGTH	DROP	SLOPE	MANNING'S N	TIME (MIN)	LENGTH	DROP	SLOPE	MANNING'S N	TIME (MIN)	LENGTH	DROP	SLOPE	MANNING'S N	VELOCITY		TIME (MIN)
Ex DA 01	74.36	4.25	5.72%	0.02	0.15	289.22	12.00	4.15%	0.02	0.47	271.01	18.50	6.83%	0.30	0.79	5.72	6.34
Ex DA 2A	114.57	9.00	7.86%	0.02	0.19	0.00	0.00	0.00%	0.02	0.00	12.42	0.50	4.03%	0.02	9.09	0.02	0.22
Ex DA 2B	150.00	8.25	5.50%	0.30	4.57	189.76	10.50	5.53%	0.30	4.03	0.00	0.00	0.00%	0.30	0.00	0.00	8.60
Ex DA 2C	150.00	8.00	5.33%	0.30	4.64	39.50	2.00	5.06%	0.30	0.88	777.82	16.50	2.12%	0.30	0.44	29.46	34.98
Ex DA 03	25.47	0.50	1.96%	0.02	0.09	0.00	0.00	0.00%	0.30	0.00	607.76	14.25	2.34%	0.30	0.46	21.90	21.99
Ex DA 4A	44.86	0.75	1.67%	0.02	0.17	0.00	0.00	0.00%	0.30	0.00	637.67	14.95	2.34%	0.30	0.46	22.98	23.14
Ex DA 4B	150.00	4.00	2.67%	0.30	6.56	183.40	4.50	2.45%	0.30	5.85	1,142.36	21.00	1.84%	0.30	0.41	46.49	58.90
Ex DA 05	150.00	3.40	2.27%	0.02	0.47	82.59	1.85	2.24%	0.30	2.76	0.00	0.00	0.00%	0.30	0.00	0.00	3.23

PROPOSED TC

AREA ID	OVERLAND FLOW CALCULATION					SHALLOW CONCENTRATED FLOW CALCULATION					CHANNELIZED FLOW CALCULATION					TOTAL TIME (MIN)	
	LENGTH	DROP	SLOPE	MANNING'S N	TIME (MIN)	LENGTH	DROP	SLOPE	MANNING'S N	TIME (MIN)	LENGTH	DROP	SLOPE	MANNING'S N	VELOCITY		TIME (MIN)
Prop DA 1A	74.36	4.25	5.72%	0.02	0.15	0.00	0.00	0.00%	0.02	0.00	293.58	8.00	2.73%	0.30	0.50	9.81	9.96
Prop DA 1B	17.89	0.50	2.79%	0.02	0.05	0.00	0.00	0.00%	0.30	0.00	101.11	1.31	1.30%	0.30	0.34	4.90	4.95
Prop DA 1C	34.18	0.90	2.63%	0.02	0.10	0.00	0.00	0.00%	0.30	0.00	129.82	5.00	3.85%	0.02	8.89	0.24	0.34
Prop DA 2A	114.57	9.00	7.86%	0.02	0.19	0.00	0.00	0.00%	0.02	0.00	12.42	0.50	4.03%	0.02	9.09	0.02	0.22
Prop DA 2B	150.00	8.25	5.50%	0.30	4.57	189.76	10.50	5.53%	0.30	4.03	0.00	0.00	0.00%	0.30	0.00	0.00	8.60
Prop DA 2C	150.00	8.00	5.33%	0.30	4.64	39.50	2.00	5.06%	0.30	0.88	777.82	16.50	2.12%	0.30	0.44	29.46	34.98
Prop DA 03	25.47	0.50	1.96%	0.02	0.09	0.00	0.00	0.00%	0.30	0.00	607.76	14.25	2.34%	0.30	0.46	21.90	21.99
Prop DA 4A	44.86	0.75	1.67%	0.02	0.17	0.00	0.00	0.00%	0.30	0.00	637.67	14.95	2.34%	0.30	0.46	22.98	23.14
Prop DA 4B	150.00	4.00	2.67%	0.30	6.56	183.40	4.50	2.45%	0.30	5.85	1,142.36	21.00	1.84%	0.30	0.41	46.49	58.90
Prop DA 05	150.00	3.40	2.27%	0.02	0.47	82.59	1.85	2.24%	0.30	2.76	0.00	0.00	0.00%	0.30	0.00	0.00	3.23



08/14/2023

Andrea Bryant



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 TX FIRM F-2144

MORROW STREET  
 SIDEWALKS

TIME OF  
 CONCENTRATION  
 CALCS

SHEET 1 OF 1

© 2023	CITY	COUNTY	SHEET NO.
	GTO	WILLIAMSON	16

## **Attachment I**

### **Inspection and Maintenance for BMPs**

The proposed project of clearing, grubbing, and well drilling is anticipated to disturb less than five acres. Being less than five acres of disturbance, a Stormwater Pollution Prevention Plan (SW3P) without Notice of Intent (NOI) to TCEQ will be in place prior to and during construction. An Inspector's Qualifications and Inspection Form is part of the SW3P. The roles and responsibilities for implementation and maintenance of the elements of the SW3P and BMPs are also specified in the SW3P and will be agreed to by all parties involved with the construction activity who meet the definition of a primary operator. The following are inspection and maintenance guidelines for the selected temporary BMPs as stated in TCEQ RG-348:

#### **Silt fence:**

- 1) Inspect all fencing weekly, and after any rainfall.
- 2) Remove sediment when buildup reaches 6 inches.
- 3) Replace any torn fabric or install a second line of fencing parallel to the torn section.
- 4) Replace or repair any sections crushed or collapsed in the course of construction activity. If a section of fence is obstructing vehicular access, consider relocating it to a spot where it will provide equal protection, but will not obstruct vehicles. A triangular filter dike may be preferable to a silt fence at common vehicle access points.
- 5) When construction is complete, the sediment should be disposed of in a manner that will not cause additional siltation and the prior location of the silt fence should be re-vegetated. The fence itself should be disposed of in an approved landfill.

#### **Rock filter dam:**

- 1) Rock filter dams should be inspected weekly and after each rain event to locate and repair any damage to the channel or clear debris or other obstructions so as not to diminish flow capacity.
- 2) Damage from storms or normal construction activities such as tire ruts or disturbance of swale stabilization should be repaired as soon as practical.

**Hydro-mulching vegetation:**

- 1) Hydro-mulched vegetation should be inspected weekly and after each rain event to locate and repair any erosion.
- 2) Erosion from storms or other damage should be repaired as soon as practical by re-grading the area and applying new seed.
- 3) If the vegetated cover is less than 80%, the area should be reseeded.

**Mulching:**

- 1) Mulched areas should be inspected weekly and after each rain event to locate and repair any damage.
- 2) Areas damaged by storms or normal construction activities should be re-graded and hydraulic mulch reapplied as soon as practical.

Completed inspection reports will include the following information:

- scope of the inspection,
- name(s) of personnel making the inspection,
- reference to qualifications of inspection personnel,
- date of the inspection,
- observed major construction activities, and
- actions taken as a result of the inspection.

The inspection report should state whether the site was in compliance or identify any incidents of non-compliance. The report will be signed by the inspector in accordance with Part III.F.7 of the TPDES general permit and filed in the SWP3. Inspection reports will be kept in the Contractor's file, along with the SWP3, for at least three years from the date that the project is completed.

Final stabilization of the construction site has been achieved when all soil disturbing activities at the site have been completed, and a uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures. If a vegetative cover cannot be established, equivalent permanent stabilization measures (such as riprap, gabions, or geotextiles) can be employed. When these

conditions have been met, BMPs can be removed from the construction area.

TCEQ WPAP Exception Request Application

Temporary Stormwater Section

**ATTACHMENT J**

Morrow Street Sidewalk Development  
Williamson County, Texas

**Schedule of Interim and Permanent Soil Stabilization Practices:**

Soil Stabilization for all disturbed areas shall be accomplished by hydro-mulching. The following is an outline to accomplish the required stabilization.

1. Preparing seed bed. After the designated areas have been rough graded to the lines, grades, and typical section indicated in the construction drawings, a suitable seed bed shall be prepared. The seedbed shall consist of a minimum of either 4 inches of approved top soil or approved salvaged topsoil, cultivated, and rolled sufficiently to reduce the soil to a state of good tilth. The optimum depth for the seeding shall be ¼ inch. Water shall be gently applied as required to prepare the seedbed prior to the planting operation either by broadcast seeding or hydraulic planting. Bare soils should be seeded or otherwise stabilized within 14 calendar days after final grading or where construction operations have ceased for more than 21 days. Seeding shall be performed in accordance with the requirements described.
2. Watering. All watering shall comply with City Ordinances. Broadcast seeded areas shall immediately be watered with a minimum of 5 gallons of water per square yard or as needed and in the manner and quantity as directed by the Engineer of designated representative. Hydraulic seeded areas and native grass seeded areas shall be watered commencing after the tackifier has dried with a minimum of 5 gallons of water per square yard or as needed to keep the seedbed in a wet condition favorable for the growth of grass. Watering should continue until the grass is 1 ½ inches in height and accepted by the engineer or designated representative. Watering can be postponed immediately after a ½ inch or greater rainfall on the site but shall be resumed before the soil dries out.
3. Hydraulic planting. The seedbed shall be prepared as specified above and the hydraulic planting equipment, which can place all materials in a single operation, shall be used.
4. Soil Retention Blanket. Retention blankets will be installed over the seeded area and will prevent erosion of the slope and keep the seeds from washing downstream.

## **Attachment G**

### **Inspection, Maintenance, Repair and Retrofit Plan**

The following are inspection, maintenance, repair and retrofit guidelines for the selected permanent BMPs as stated in TCEQ RG-348:

#### **Hydro-mulching with native grasses:**

- (1) Inspections should be made at least twice annually for erosion or damage to vegetation, checking the strips for uniformity of grass cover, debris and litter, and areas of sediment accumulation.
- (2) Trash and excess sediment accumulated on the grass seeds should be removed during inspections.
- (3) Bare spots and areas of erosion found during inspections should be replanted and restored.
- (4) An Integrated Pest Management (IPM) plan should be developed for vegetated areas to identify and specify controls for problem insects and weeds.
- (5) The disturbed area should be mowed a minimum of twice annually if planted with native grasses.

#### **Inspection Reports:**

Completed inspection reports will include the following information:

- scope of the inspection,
- name(s) of personnel making the inspection,
- reference to qualifications of inspection personnel,
- date of the inspection,
- observed major construction activities, and
- actions taken as a result of the inspection.

The inspection report should state whether the site was in compliance or identify any incidents of non-compliance. The report will be signed by the inspector in accordance with Part III.F.7 of the TPDES general permit and filed in the SWP3. Inspection reports will be kept in the Contractor's file, along with the SWP3, for at least three years from the date that the project is completed.

Final stabilization of the construction site has been achieved when all soil disturbing activities at the site have been completed, and a uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures. If a vegetative cover cannot be established, equivalent permanent stabilization measures (such as riprap, gabions, or geotextiles) can be employed. When these conditions have been met, temporary BMPs can be removed from the construction area.

Owner & Responsible Party for Maintenance:	Wesley Wright PE, City of Georgetown
Address:	300-1 Industrial Ave.
City, State, Zip:	Georgetown, TX 78627
Telephone Number:	512-931-7672

Signature of Responsible Party:  Date: 7/11/23

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

I \_\_\_\_\_ Wesley Wright, PE \_\_\_\_\_  
Print Name

\_\_\_\_\_ Systems Engineering Director \_\_\_\_\_  
Title - Owner/President/Other

of \_\_\_\_\_ City of Georgetown \_\_\_\_\_  
Corporation/Partnership/Entity Name

have authorized \_\_\_\_\_ Tam Tran \_\_\_\_\_  
Print Name of Agent/Engineer

of \_\_\_\_\_ Freese and Nichols, Inc. \_\_\_\_\_  
Print Name of Firm

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

I also understand that:

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

SIGNATURE PAGE:

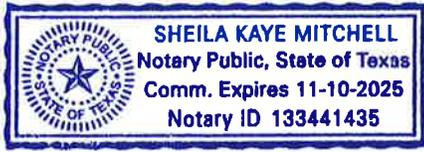
[Signature]  
Applicant's Signature

7/11/23  
Date

THE STATE OF TEXAS §  
County of WILLIAMSON §

BEFORE ME, the undersigned authority, on this day personally appeared WESLEY WRIGHT 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 11<sup>th</sup> day of JULY, 2023.



[Signature]  
NOTARY PUBLIC

SHEILA K. MITCHELL  
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: Nov. 10, 2025

# Application Fee Form

## Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Morrow Street Sidewalk Development

Regulated Entity Location: Georgetown, Williamson County, Texas

Name of Customer: Wesley Wright, City of Georgetown

Contact Person: Tam Tran, FNI

Phone: (512) 381-1830

Customer Reference Number (if issued): CN 600412043

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	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	1 Each	\$ 500
Extension of Time	Each	\$

Signature: 

Date: 06/30/2023

# Application Fee Schedule

Texas Commission on Environmental Quality

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

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

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

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

### **Organized Sewage Collection Systems and Modifications**

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

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

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

### **Exception Requests**

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

***Extension of Time Requests***

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



23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>							
	City	Georgetown	State	TX	ZIP	78627	ZIP + 4
24. County	Williamson						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:							
26. Nearest City	Georgetown				State	TX	Nearest ZIP Code
27. Latitude (N) In Decimal:	30.64652		28. Longitude (W) In Decimal:	-97.67456			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)			
1611							
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
Public sidewalk and drainage							
34. Mailing Address:							
	City	Georgetown	State	TX	ZIP		ZIP + 4
35. E-Mail Address:							
36. Telephone Number		37. Extension or Code			38. Fax Number <i>(if applicable)</i>		
( ) -					( ) -		

**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.

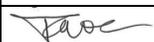
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
		11001746		
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> 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
	TXR150012954			
<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:	Tam H. Tran		41. Title:	Consultant
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
( 512 ) 381-1830		( ) -	Tam.Tran@freese.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:	Freese and Nichols, Inc.	Job Title:	Consultant
Name <i>(In Print)</i> :	Tam Tran	Phone:	( 512 ) 381- 1830
Signature:		Date:	7/14/2023