

**Edwards Aquifer Application Page
TCEQ-20705**

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

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

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

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

Technical Review

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

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

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

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity Name: City of Georgetown				2. Regulated Entity No.:					
3. Customer Name: City of Georgetown				4. Customer No.: 600412043					
5. Project Type: (Please circle/check one)	New	Modification			Extension		Exception		
6. Plan Type: (Please circle/check one)	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential		Non-residential			8. Site (acres):		5.71	
9. Application Fee:	\$500.00		10. Permanent BMP(s):			Sod, Seed & Riprap			
11. SCS (Linear Ft.):	1,742		12. AST/UST (No. Tanks):			None			
13. County:	Williamson		14. Watershed:			Brazos			

Application Distribution

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

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

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

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	—	—	—
Region (1 req.)	—	—	—
County(ies)	—	—	—
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Barton Springs/ Edwards Aquifer <input type="checkbox"/> Hays Trinity <input type="checkbox"/> Plum Creek	<input type="checkbox"/> Barton Springs/ Edwards Aquifer	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 checked="" type="checkbox"/> Georgetown <input type="checkbox"/> Jerrell <input type="checkbox"/> Leander <input type="checkbox"/> Liberty Hill <input type="checkbox"/> Pflugerville <input type="checkbox"/> Round Rock

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

PAUL HAHN

Print Name of Customer/Authorized Agent

Paul Hahn

Signature of Customer/Authorized Agent

Date

9/20/2023

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

TCEQ-0587

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.

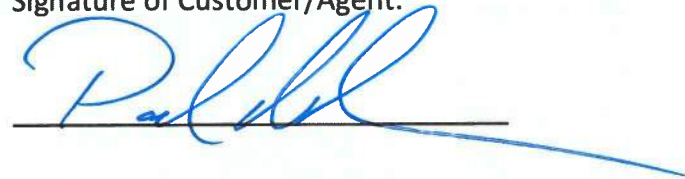
Signature

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: Paul R. Hahn III

Date: 9/20/2023

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Austin Avenue - 2nd St to Morrow St
2. County: Williamson
3. Stream Basin: San Gabriel River
4. Groundwater Conservation District (If applicable): N/A
5. Edwards Aquifer Zone:
 Recharge Zone
 Transition Zone
6. Plan Type:
 WPAP
 SCS
 Modification
 AST

UST

Exception Request

7. Customer (Applicant):

Contact Person: Chris Pousson

Entity: City of Georgetown

Mailing Address: 295 SE Inner Loop

City, State: Georgetown, TX

Zip: 78626

Telephone: 512-930-8162

FAX: _____

Email Address: chris.pousson@georgetown.org

8. Agent/Representative (If any):

Contact Person: Paul R. Hahn III

Entity: Aguirre & Fields LP

Mailing Address: 12708 Riata Vista Circle #A-109

City, State: Austin, Texas

Zip: 78727

Telephone: 512-609-1526

FAX: _____

Email Address: paul.hahn@aguirre-fields.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 is located along Austin Ave from 2nd Street, south of the S. San Gabriel River to Morrow Street, north of N. San Gabriel River in the City of Georgetown, Texas.

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

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

Project site boundaries.

USGS Quadrangle Name(s).

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

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

13. **The TCEQ must be able to inspect the project site or the application will be returned.** Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate

the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment.

Survey staking will be completed by this date: _____

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

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

15. Existing project site conditions are noted below:

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

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.

General Information Form

TCEQ-0587

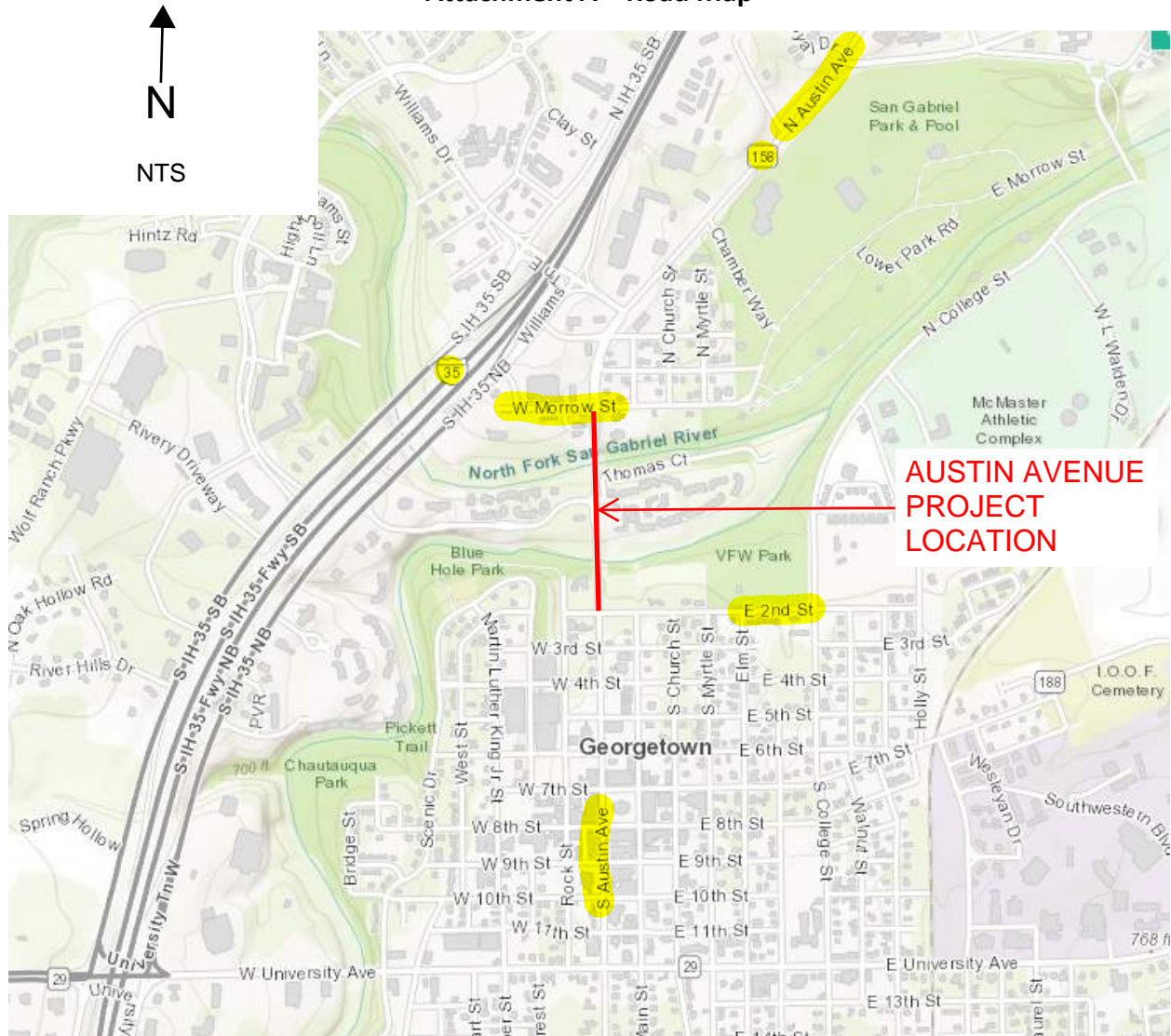
Attachment A

Road Map

General Information Form

Texas Commission on Environmental Quality

Attachment A – Road Map



AUSTIN AVENUE PROJECT LOCATION:
AUSTIN AVENUE FROM W. MORROW ST. TO E. 2nd ST.

DIRECTIONS:
FROM IH 35 TAKE THE WILLIAMS STREET EXIT IN GEORGETOWN TX.
HEAD EAST ON WILLIAMS DRIVE TO N. AUSTIN AVENUE /SPUR 158
TURN RIGHT AND HEAD SOUTH ON N. AUSTIN AVENUE FOR 3 BLOCKS UNTIL YOU REACH MORROW ST.

General Information Form

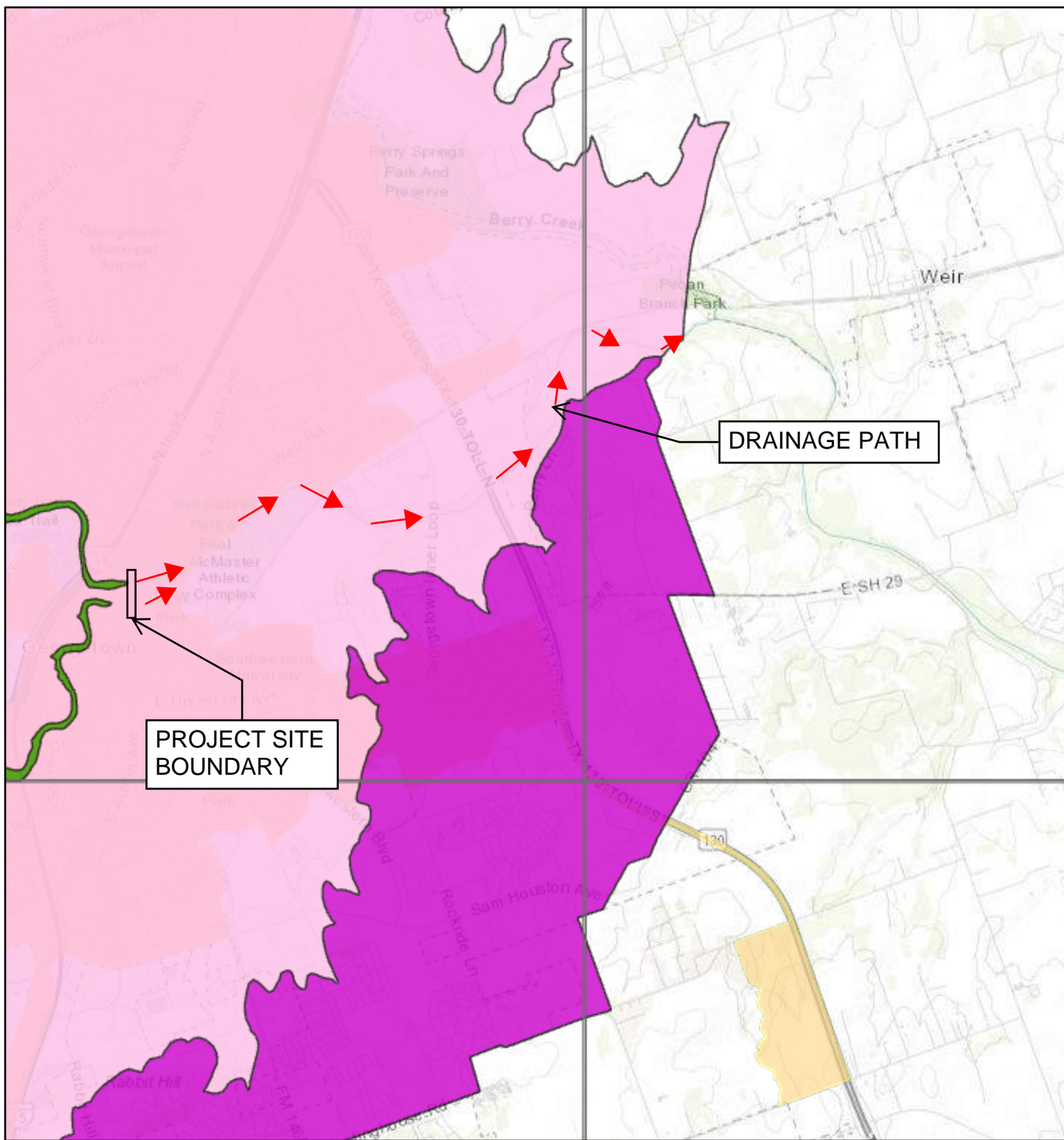
TCEQ-0587

Attachment B

USGS/Edwards Recharge Zone Map

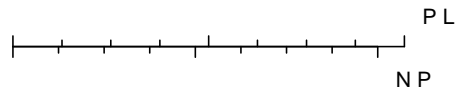
GENERAL INFORMATION FORM - ATTACHMENT B

(GZDUGV \$TXLIHU 9LHZHU &XVWR



30

&LW\ 30DEH &RQWULEXWLQJ =RQH
 (GZDUGV \$TXLIHU 0LQXWH 4XDG *ULG
 5HFKDUJH =RQH
 7UDQVLWLRQ =RQH



Georgetown, TX USGS Quadrangle

General Information Form

TCEQ-0587

Attachment C

Project Description

General Information Form

Texas Commission on Environmental Quality

Attachment C

The proposed improvements along Existing Austin Avenue from 2nd Street to Morrow Street in the City of Georgetown include bridge rehabilitation, grading, paving, signing, striping, traffic signals, storm sewer, curb and gutter and sidewalk. The project length is 0.33 miles which includes 0.19 miles of roadway improvements and 0.14 miles of bridge rehabilitation. The total site area is 5.71 acres.

Austin Avenue is an existing corridor which functions as the gateway to downtown Georgetown. The existing paved roadway is currently a 4-lane facility, and the proposed configuration is also 4 lanes with designated turn lanes. The main purpose of this project is the rehabilitation of two bridges, one over the South San Gabriel River and the other over the North San Gabriel River. The area along the existing roadway consists of commercial buildings and one multi family residence at the corner of Austin Avenue and 2nd street. There are no displaced businesses and access is to remain open at all times.

The proposed improvements remain within the existing right-of-way. Construction activity includes preparing right-of-way, grading, excavation and embankment of roadway, construction of waterline and topsoil work for final planting and seeding. Removals include existing bridge slab and rail, existing pavement, existing curb and gutter, existing inlets, existing culverts, existing MBGF and SET's, existing plantings, and miscellaneous concrete.

Temporary BMPs include Protection of existing vegetation, soil retention blankets, temporary seeding, biodegradable erosion control logs, inlet protection, rock filter dams, sediment control fence and stabilized construction exits. All disturbed areas and erosion and sediment control devices shall be inspected every seven (7) days. Permanent BMPs, both existing and proposed, include sodding and seeding, which also function as vegetated buffer zones, and riprap.

The existing impervious cover along the corridor is 131,677 sf (3.02 acres) and the proposed impervious cover is slightly less at 131,497 sf (3.02 acres). The total area of the site is 5.71 acres equating to 53% impervious cover. There are existing sidewalks, ramps, and concrete rip rap that are being removed and there is less of the same impervious cover being constructed. This results in a lower square footage of impervious cover.

A Geologic Assessment was not required on this project therefore no geologic or manmade features are in a report. The boundaries and alignment are along existing Austin Avenue from 2nd Street on the southern end and Morrow Street at the northern end. TCEQ should have no problem finding the site for inspection purposes (See Attachment A).

**Recharge and Transition Zone
Exception Request Form
TCEQ-0628**

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: Paul R. Hahn, III

Date: 9/20/2023

Signature of Customer/Agent:



Regulated Entity Name: City of Georgetown

Exception Request

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

Administrative Information

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

Recharge and Transition Zone

Exception Request Form

TCEQ-0628

Attachment A

Nature of Exception

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

Attachment A - Nature of Exception

The City of Georgetown, Texas requests an exception to submitting an Edwards Aquifer protection plan or modification required by TAC 213.9. The purpose of this WPAP Exception Request is due to the decrease in impervious cover for the Austin Avenue Bridge Rehabilitation project in the City of Georgetown by reconfiguring sidewalks and curb ramps to ensure ADA compliance.

The existing impervious cover along the corridor is 131,677 sf (3.02 acres) and the proposed impervious cover is slightly less at 131,497 sf (3.02 acres). The total area of the site is 5.71 acres equating to 53% impervious cover. There are existing sidewalks, ramps, and concrete rip rap that are being removed and there is less of the same impervious cover being constructed. This results in a lower square footage of impervious cover overall.

The proposed improvements are as follows:

ADA compliant curb ramps have been added at the intersection of Austin Avenue and 2nd Street and at the corner of Austin Avenue and San Gabriel Village Blvd. and Morrow Street.

On the north side of 2nd Street and Austin Avenue, existing curb ramps and concrete are being replaced.

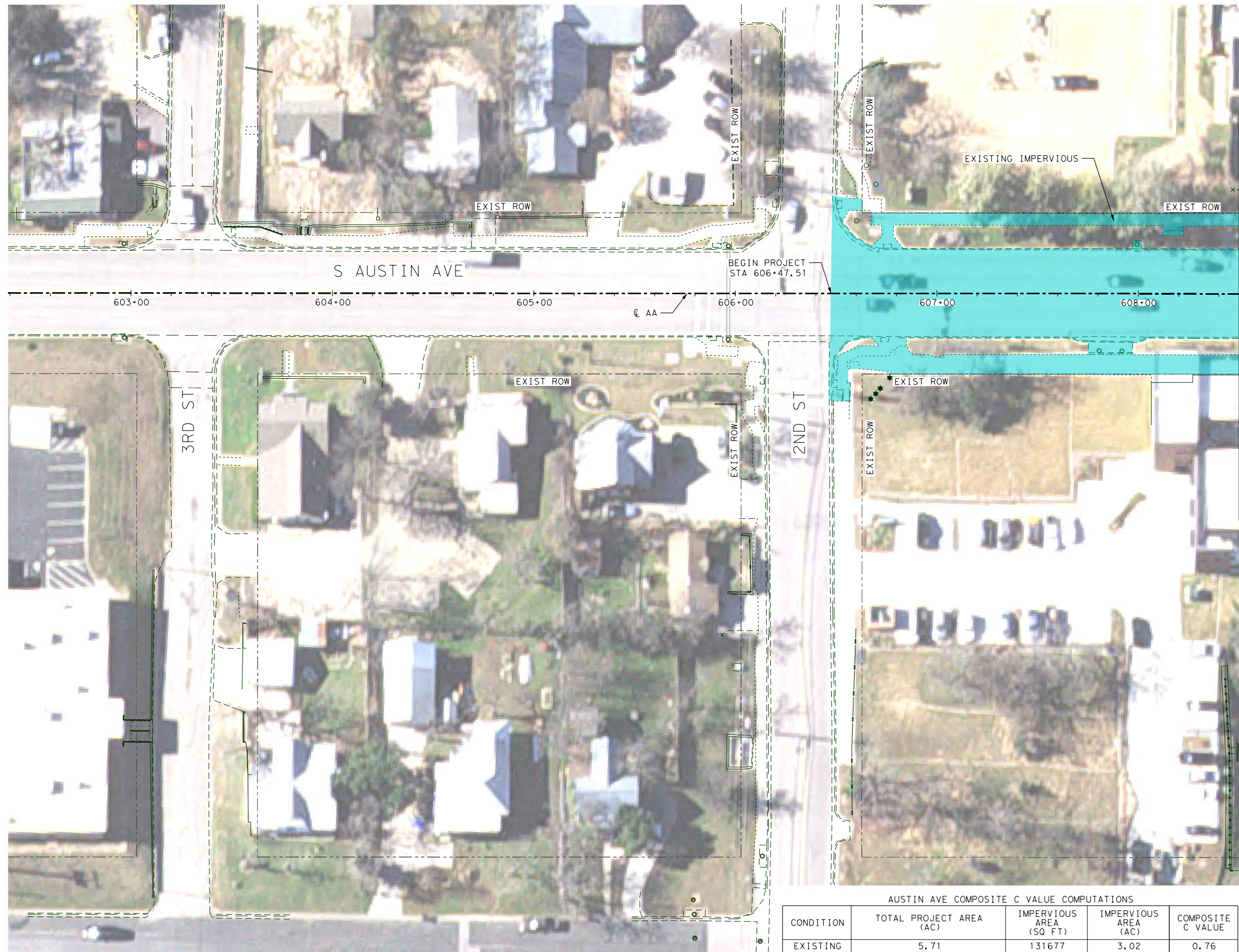
At San Gabriel Village Blvd, some existing sidewalks are being relocated for ADA compliance along with curb ramps being removed and replaced.

On the south side of Morrow Street at Austin Avenue, sidewalks are being widened and/or reconfigured and curb ramps replaced.

In addition, mow strip is being added to the ends of each bridge for MBS and guard rail end treatment placement.

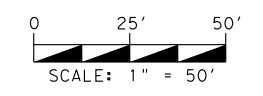
**Recharge and Transition Zone
Exception Request Form
TCEQ-0628
Attachment B
Documentation of Equivalent Water
Quality Protection**

DATE: 9/14/2023 1:47:45 PM
 FILE: c:\pw-of-pw-of-prod\cheryl_alexander\0270534\AF-DRN-EX-IMPRV-AUSAV-01.dgn



LEGEND

- EXISTING IMPERVIOUS
- EXIST ROW



AUSTIN AVE COMPOSITE C VALUE COMPUTATIONS

CONDITION	TOTAL PROJECT AREA (AC)	IMPERVIOUS AREA (SQ FT)	IMPERVIOUS AREA (AC)	COMPOSITE C VALUE
EXISTING	5.71	131677	3.02	0.76



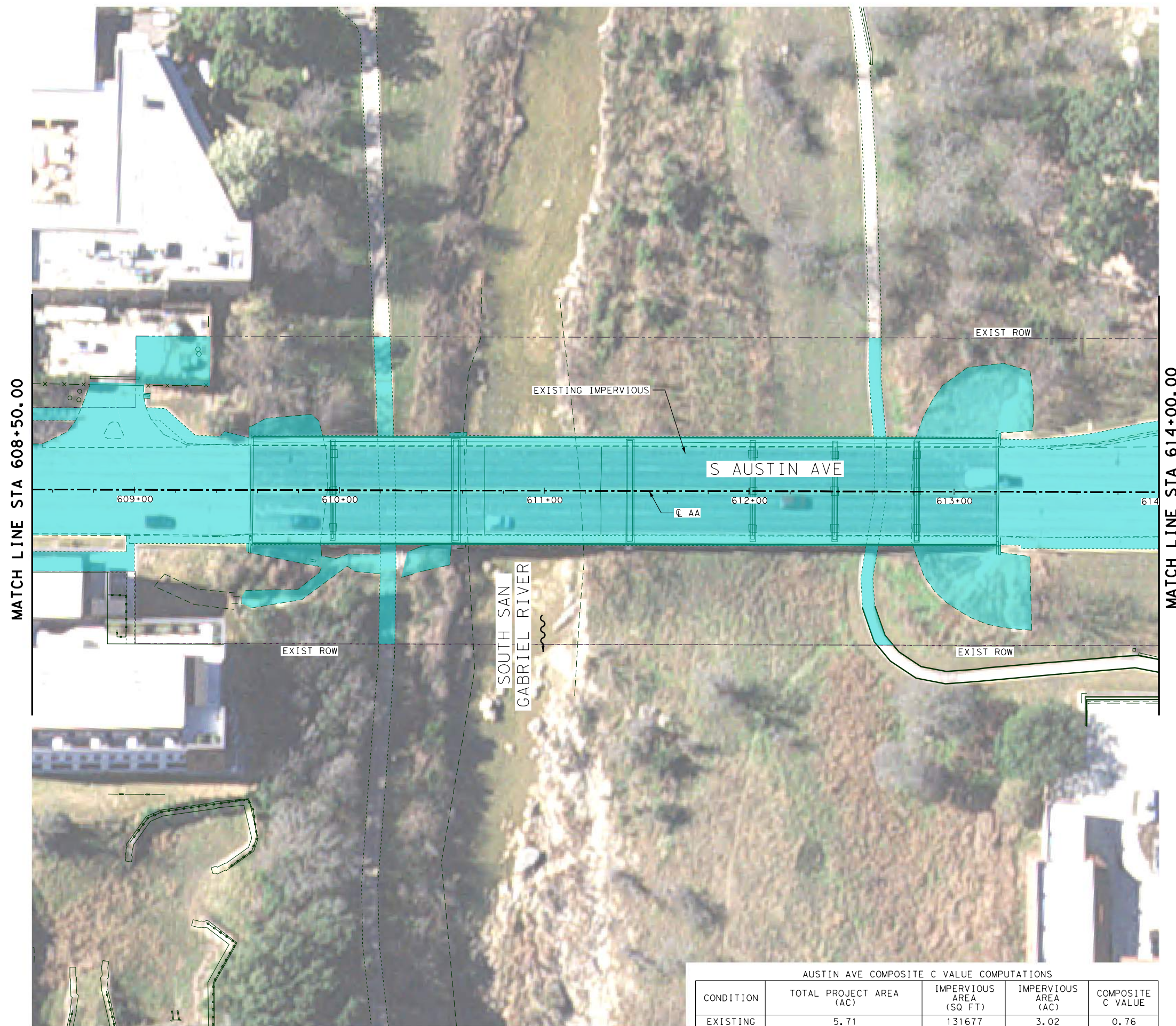
**AUSTIN AVENUE
 BRIDGE REHABILITATION
 RECHARGE & TRANSITION ZONE
 EXCEPTION REQUEST
 FORM (TCEQ-0628)**

**EXHIBIT B
 EXISTING IMPERVIOUS AREA**

SHEET 1 OF 8

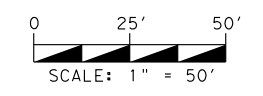
DN:	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
CK DN:	6	TEXAS		
DW:	STATE DIST. NO.	COUNTY	CONTROL NO.	SECTION NO.
CK DW:	AUS	WILLIAMSON		

DATE: 9/14/2023 2:37:10 PM
 FILE: c:\pw-af\pw-af-prod\cheryl_alexander\d0270534\AF-DRN-EX-IMPRV-AUSAV-02.dgn



LEGEND

- EXISTING IMPERVIOUS
- EXIST ROW



AUSTIN AVE COMPOSITE C VALUE COMPUTATIONS

CONDITION	TOTAL PROJECT AREA (AC)	IMPERVIOUS AREA (SQ FT)	IMPERVIOUS AREA (AC)	COMPOSITE C VALUE
EXISTING	5.71	131677	3.02	0.76



**AUSTIN AVENUE
 BRIDGE REHABILITATION
 RECHARGE & TRANSITION ZONE
 EXCEPTION REQUEST
 FORM (TCEQ-0628)
 EXHIBIT B
 EXISTING IMPERVIOUS AREA**

SHEET 2 OF 8

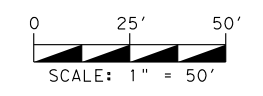
DN:	FED. RD. DIV. NO.:	STATE:	PROJECT NO.:	HIGHWAY NO.:
CK DN:	6	TEXAS		
DW:	STATE DIST. NO.:	COUNTY:	CONTROL NO.:	SECTION NO.:
CK DW:	AUS	WILLIAMSON		
			JOB NO.:	SHEET NO.:

DATE: 9/14/2023 2:56:14 PM
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LEGEND

- EXISTING IMPERVIOUS
- EXIST ROW



**AUSTIN AVENUE
 BRIDGE REHABILITATION
 RECHARGE & TRANSITION ZONE
 EXCEPTION REQUEST
 FORM (TCEQ-0628)
 EXHIBIT B
 EXISTING IMPERVIOUS AREA**

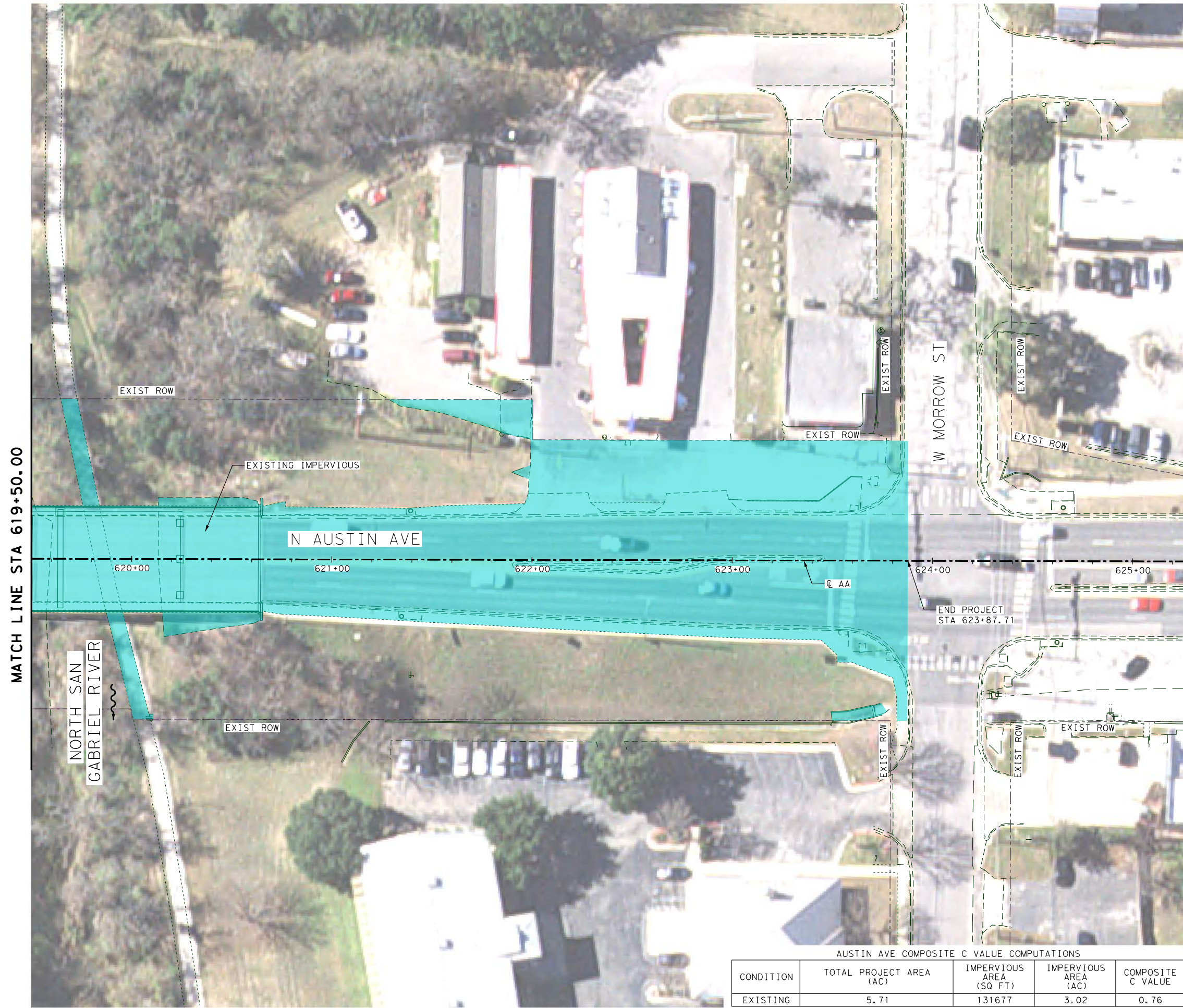
SHEET 3 OF 8

AUSTIN AVE COMPOSITE C VALUE COMPUTATIONS

CONDITION	TOTAL PROJECT AREA (AC)	IMPERVIOUS AREA (SQ FT)	IMPERVIOUS AREA (AC)	COMPOSITE C VALUE
EXISTING	5.71	131677	3.02	0.76

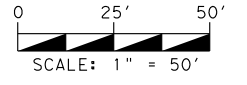
DN#:	FED. RD. DIV. NO.:	STATE:	PROJECT NO.:	HIGHWAY NO.:
CK DN#:	6	TEXAS		
DW#:	STATE DIST. NO.:	COUNTY:	CONTROL NO.:	SECTION NO.:
CK DW#:	AUS	WILLIAMSON		
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LEGEND

- EXISTING IMPERVIOUS
- EXIST ROW



**AUSTIN AVENUE
 BRIDGE REHABILITATION
 RECHARGE & TRANSITION ZONE
 EXCEPTION REQUEST
 FORM (TCEQ-0628)
 EXHIBIT B
 EXISTING IMPERVIOUS AREA**

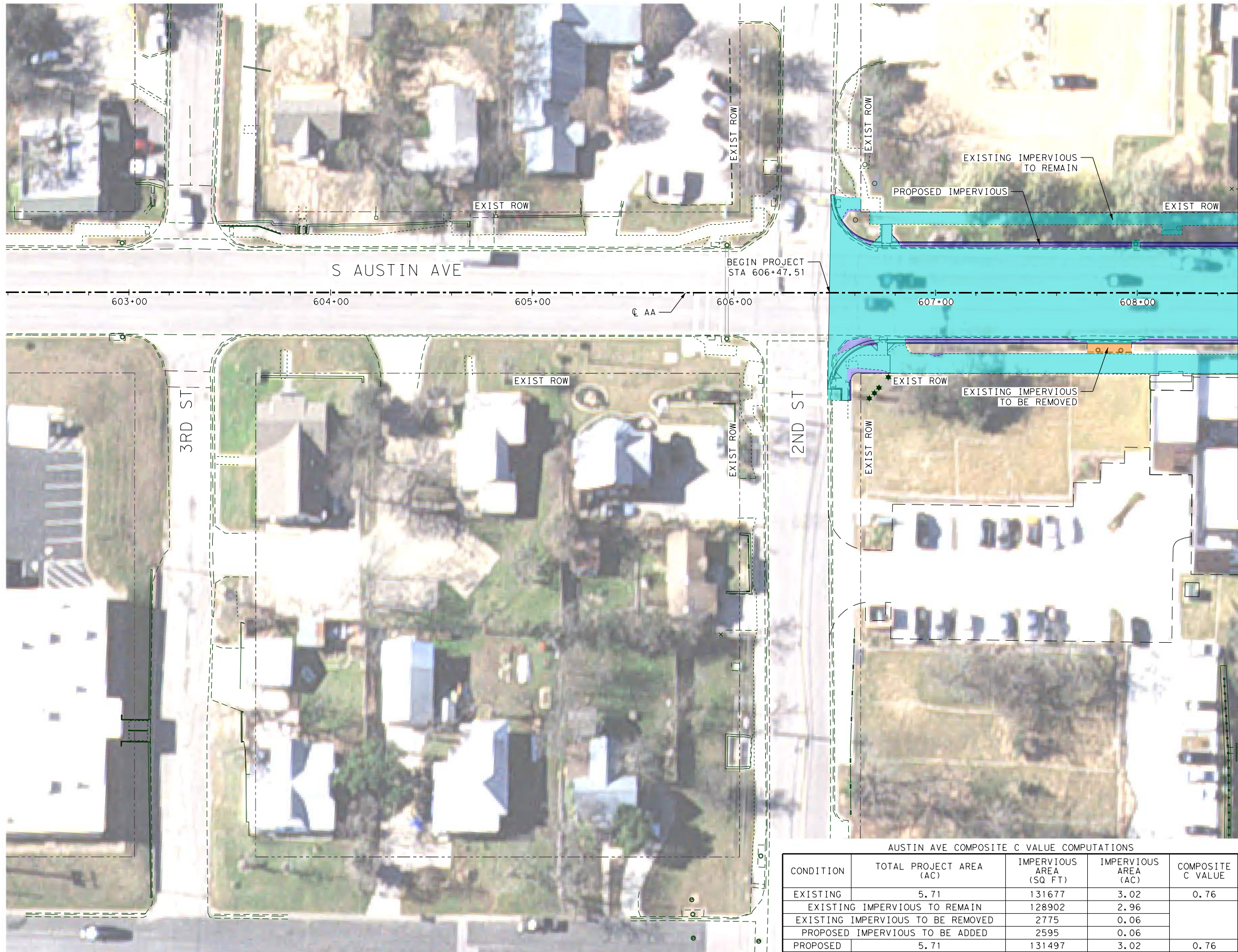
AUSTIN AVE COMPOSITE C VALUE COMPUTATIONS

CONDITION	TOTAL PROJECT AREA (AC)	IMPERVIOUS AREA (SQ FT)	IMPERVIOUS AREA (AC)	COMPOSITE C VALUE
EXISTING	5.71	131677	3.02	0.76

SHEET 4 OF 8

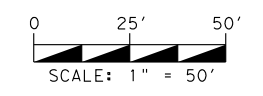
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CK DW:	AUS	WILLIAMSON		
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LEGEND

- EXISTING IMPERVIOUS TO REMAIN
- EXISTING IMPERVIOUS TO BE REMOVED
- PROPOSED IMPERVIOUS
- EXIST ROW



AUSTIN AVE COMPOSITE C VALUE COMPUTATIONS

CONDITION	TOTAL PROJECT AREA (AC)	IMPERVIOUS AREA (SQ FT)	IMPERVIOUS AREA (AC)	COMPOSITE C VALUE
EXISTING	5.71	131677	3.02	0.76
EXISTING IMPERVIOUS TO REMAIN		128902	2.96	
EXISTING IMPERVIOUS TO BE REMOVED		2775	0.06	
PROPOSED IMPERVIOUS TO BE ADDED		2595	0.06	
PROPOSED	5.71	131497	3.02	0.76

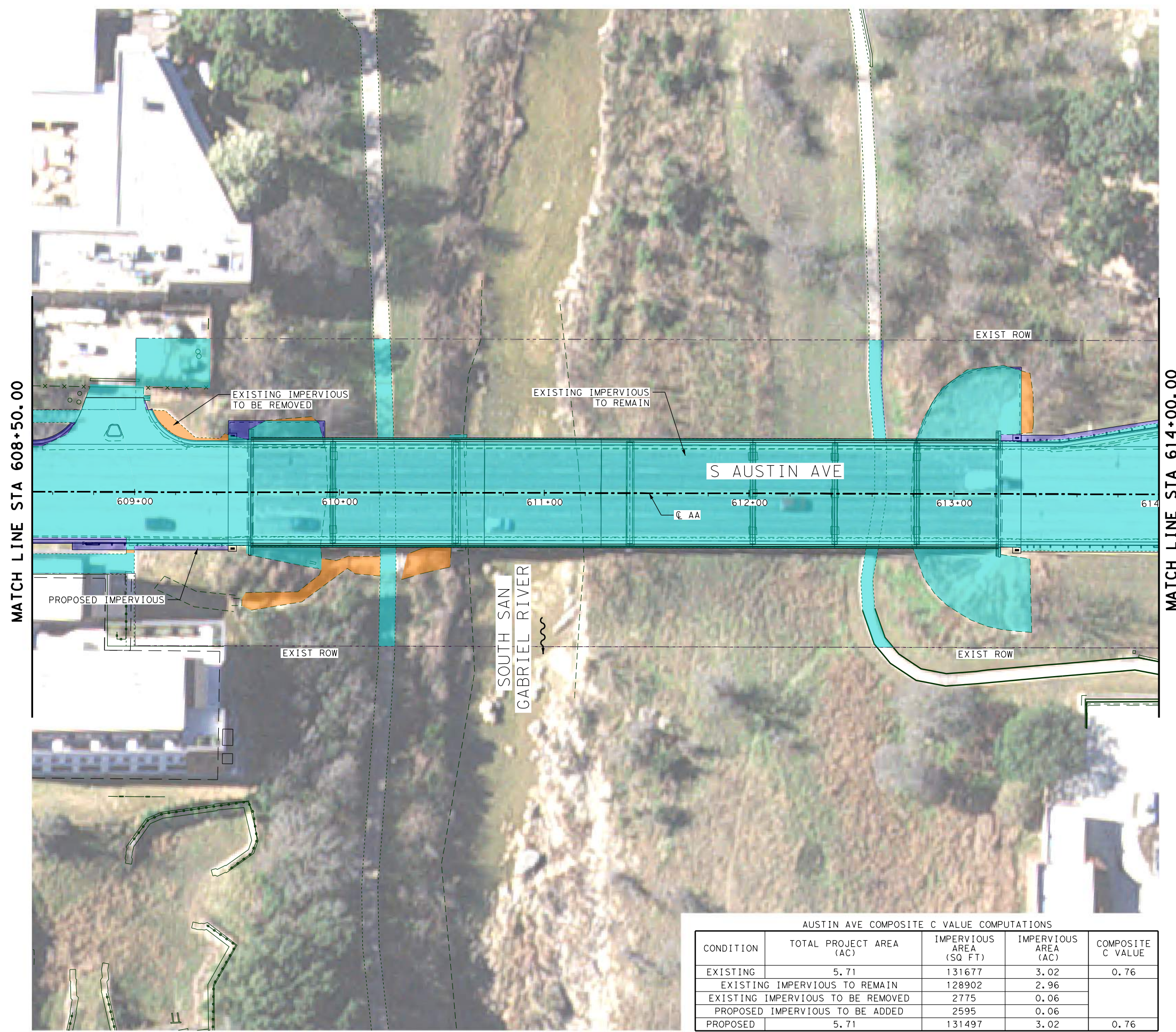


AUSTIN AVENUE
 BRIDGE REHABILITATION
 RECHARGE & TRANSITION ZONE
 EXCEPTION REQUEST
 FORM (TCEQ-0628)
EXHIBIT B
 PROPOSED IMPERVIOUS AREA

SHEET 5 OF 8

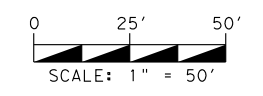
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CK DW#:	AUS	WILLIAMSON		
			JOB NO.:	SHEET NO.:

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LEGEND


- EXISTING IMPERVIOUS TO REMAIN
- EXISTING IMPERVIOUS TO BE REMOVED
- PROPOSED IMPERVIOUS
- EXIST ROW



AUSTIN AVE COMPOSITE C VALUE COMPUTATIONS

CONDITION	TOTAL PROJECT AREA (AC)	IMPERVIOUS AREA (SQ FT)	IMPERVIOUS AREA (AC)	COMPOSITE C VALUE
EXISTING	5.71	131677	3.02	0.76
EXISTING IMPERVIOUS TO REMAIN		128902	2.96	
EXISTING IMPERVIOUS TO BE REMOVED		2775	0.06	
PROPOSED IMPERVIOUS TO BE ADDED		2595	0.06	
PROPOSED	5.71	131497	3.02	0.76





AGUIRRE & FIELDS
 ENGINEERING INNOVATORS
TBPE FIRM REGISTRATION # 739

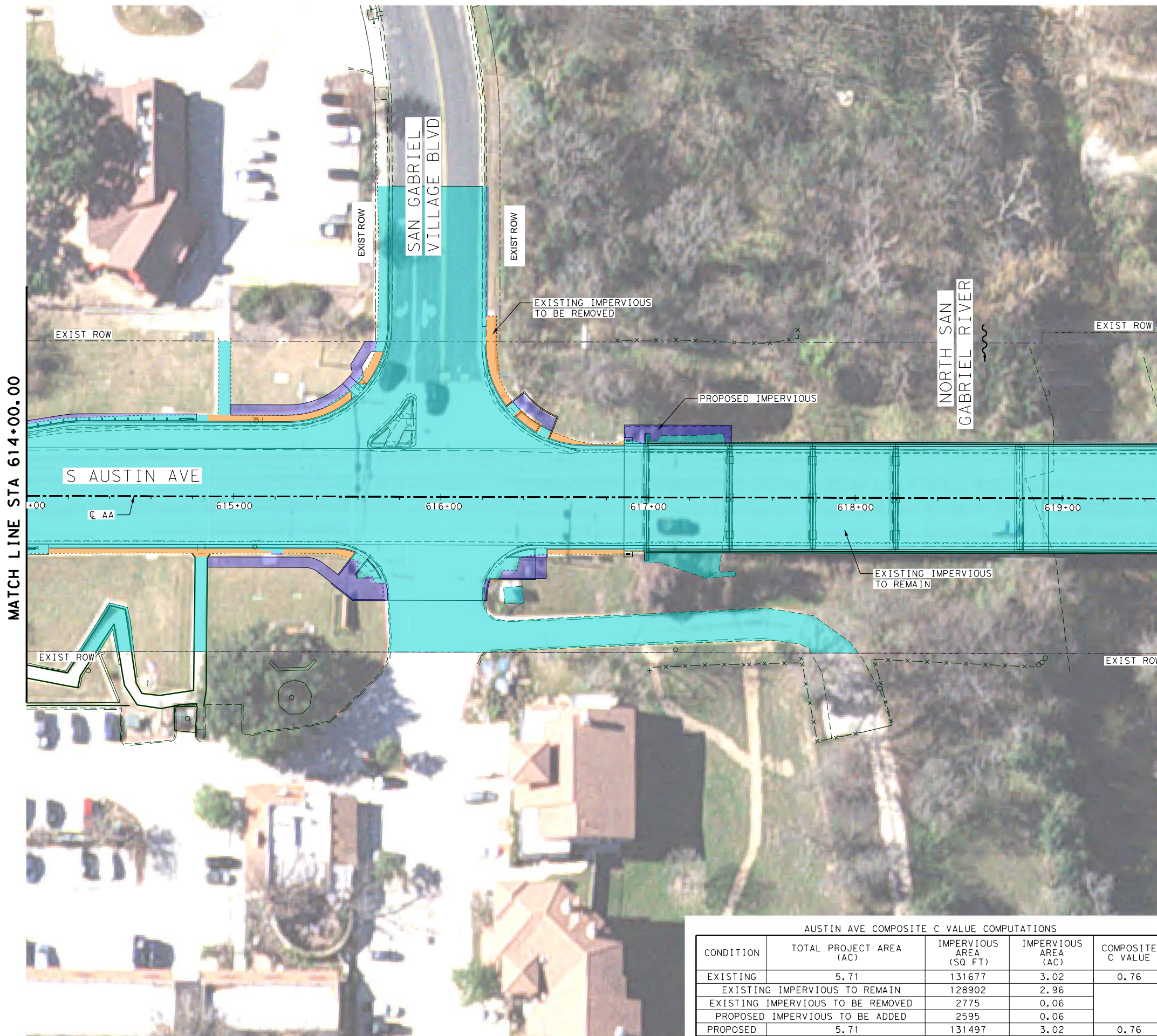
**AUSTIN AVENUE
 BRIDGE REHABILITATION
 RECHARGE & TRANSITION ZONE
 EXCEPTION REQUEST
 FORM (TCEQ-0628)**

**EXHIBIT B
 PROPOSED IMPERVIOUS AREA**

SHEET 6 OF 8

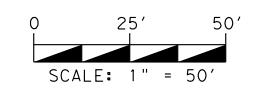
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CK DW:	AUS	WILLIAMSON		

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LEGEND

- EXISTING IMPERVIOUS TO REMAIN
- EXISTING IMPERVIOUS TO BE REMOVED
- PROPOSED IMPERVIOUS
- EXIST ROW



**AUSTIN AVENUE
 BRIDGE REHABILITATION
 RECHARGE & TRANSITION ZONE
 EXCEPTION REQUEST
 FORM (TCEQ-0628)
 EXHIBIT B
 PROPOSED IMPERVIOUS AREA**

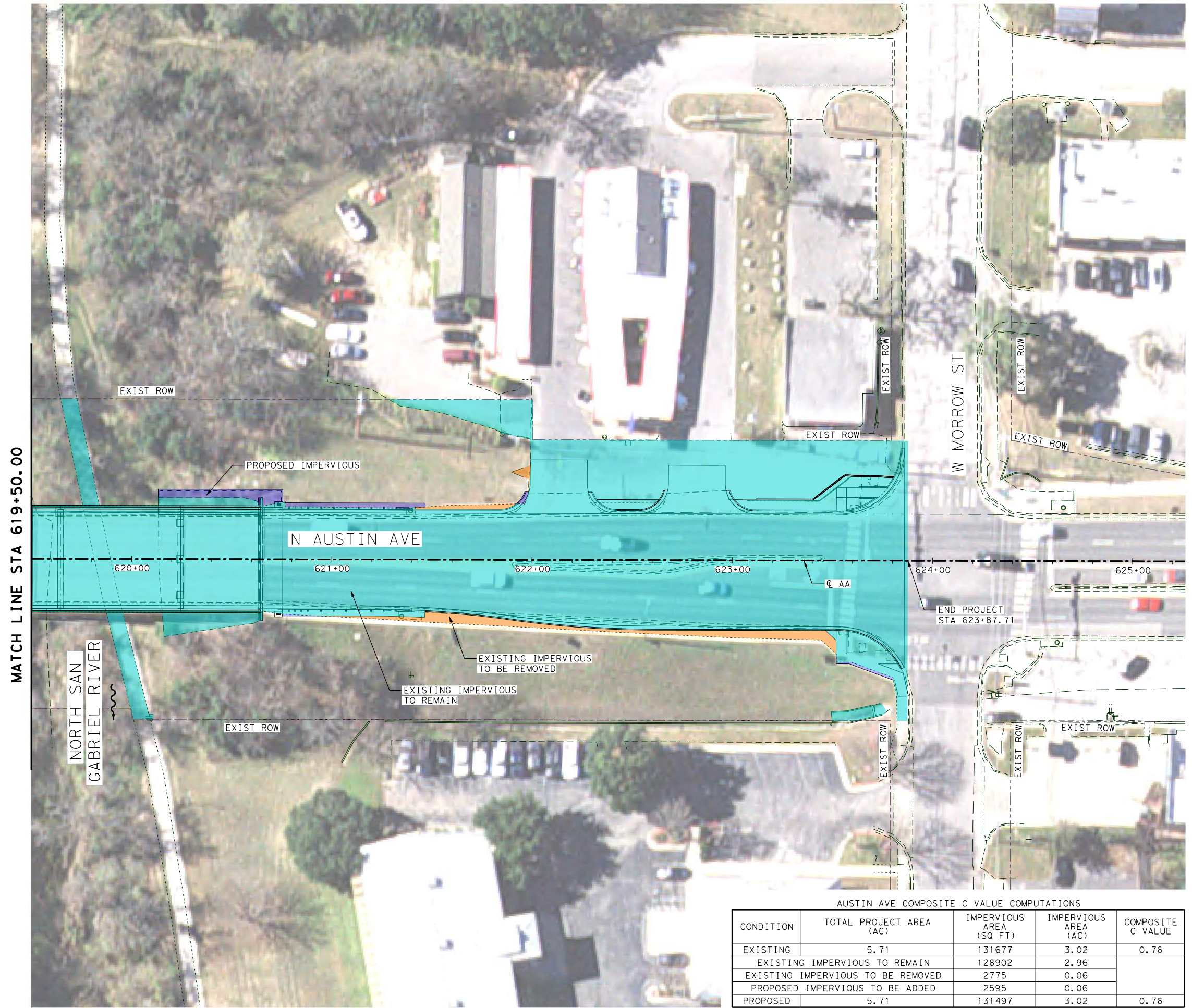
SHEET 7 OF 8

AUSTIN AVE COMPOSITE C VALUE COMPUTATIONS

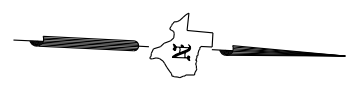
CONDITION	TOTAL PROJECT AREA (AC)	IMPERVIOUS AREA (SQ FT)	IMPERVIOUS AREA (AC)	COMPOSITE C VALUE
EXISTING	5.71	131677	3.02	0.76
EXISTING IMPERVIOUS TO REMAIN	128902	2.96		
EXISTING IMPERVIOUS TO BE REMOVED	2775	0.06		
PROPOSED IMPERVIOUS TO BE ADDED	2595	0.06		
PROPOSED	5.71	131497	3.02	0.76

DN:	FED. RD. DIV. NO.:	STATE:	PROJECT NO.:	HIGHWAY NO.:
CK DN:	6	TEXAS		
DW:	STATE DIST. NO.:	COUNTY:	CONTROL NO.:	SECTION NO.:
CK DW:	AUS	WILLIAMSON		

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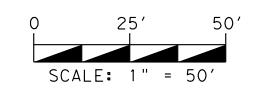


MATCH LINE STA 619+50.00



LEGEND

- EXISTING IMPERVIOUS TO REMAIN
- EXISTING IMPERVIOUS TO BE REMOVED
- PROPOSED IMPERVIOUS
- EXIST ROW



AUSTIN AVE COMPOSITE C VALUE COMPUTATIONS

CONDITION	TOTAL PROJECT AREA (AC)	IMPERVIOUS AREA (SQ FT)	IMPERVIOUS AREA (AC)	COMPOSITE C VALUE
EXISTING	5.71	131677	3.02	0.76
EXISTING IMPERVIOUS TO REMAIN		128902	2.96	
EXISTING IMPERVIOUS TO BE REMOVED		2775	0.06	
PROPOSED IMPERVIOUS TO BE ADDED		2595	0.06	
PROPOSED	5.71	131497	3.02	



**AUSTIN AVENUE
 BRIDGE REHABILITATION
 RECHARGE & TRANSITION ZONE
 EXCEPTION REQUEST
 FORM (TCEQ-0628)
 EXHIBIT B
 PROPOSED IMPERVIOUS AREA**

SHEET 8 OF 8

DN:	FED. RD. DIV. NO.:	STATE:	PROJECT NO.:	HIGHWAY NO.:
CK DN:	6	TEXAS		
DW:	STATE DIST. NO.:	COUNTY:	CONTROL NO.:	SECTION NO.:
CK DW:	AUS	WILLIAMSON		

Agent Authorization Form

TCEQ-0599

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

I _____ Chris Pousson _____,
Print Name

_____ CIP Manager _____,
Title - Owner/President/Other

of _____ City of Georgetown _____,
Corporation/Partnership/Entity Name

have authorized _____ Paul R. Hahn, III _____
Print Name of Agent/Engineer

of _____ Aguirre & Fields, LP _____
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

9-12-23
Date

THE STATE OF TEXAS §
County of WILLIAMSON §

BEFORE ME, the undersigned authority, on this day personally appeared CHRIS POUSSON 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 19th day of SEPTEMBER, 2023



[Signature]
NOTARY PUBLIC
SHEILA K. MITCHELL
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 11-10-2025

Application Fee Form

TCEQ-0574

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: City of Georgetown

Regulated Entity Location: Georgetown, TX

Name of Customer: City of Georgetown

Contact Person: Chris Pousson

Phone: 512-930-8162

Customer Reference Number (if issued): CN 600412043

Regulated Entity Reference Number (if issued): RN _____

Austin Regional Office (3373)

Hays

Williamson

Travis

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

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

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

12100 Park 35 Circle

Mail Code 214

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(512)239-0357

Site Location (Check All That Apply):

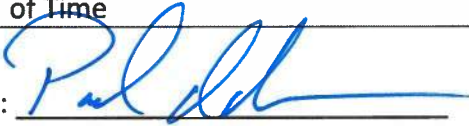
Recharge Zone

Contributing Zone

Transition Zone

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

Type of Plan	Size	Fee Due
Extension of Time	Each	\$

Signature: 

Date: 9/20/2023

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

Project	Project Area in Acres	Fee
One Single Family Residential Dwelling	< 5	\$650
Multiple Single Family Residential and Parks	< 5	\$1,500
	5 < 10	\$3,000
	10 < 40	\$4,000
	40 < 100	\$6,500
	100 < 500	\$8,000
	≥ 500	\$10,000
Non-residential (Commercial, industrial, institutional, 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

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	Fee
Exception Request	\$500

Extension of Time Requests

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



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 600412043		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If on individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
City of Georgetown			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits) 74-6000974	10. DUNS Number (if applicable) 089592372
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input checked="" type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:	295 SE Inner Loop		
	City	Georgetown	State TX ZIP 78626 ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	

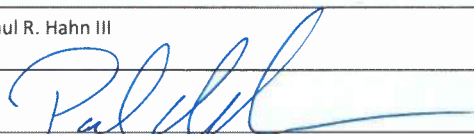
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input checked="" type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
	EARZ# 11003102			
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Paul R. Hahn III	41. Title:	Project Manager/Authorized Agent
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 609-1526		() -	paul.hahn@aguirre-fields.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:	Aguirre & Fields	Job Title:	Project Manager
Name (In Print):	Paul R. Hahn III	Phone:	(512) 609- 1526
Signature:		Date:	10/26/2023

Austin Avenue Bridge Rehabilitation Geologic Assessment

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: James W. Sansom, Jr., P.G.

Telephone: 512 515-0916

Fax: 512 515-0916

Date: July 19, 2018

Representing: Consulting Geologist, TBPG License No. 29 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: Austin Avenue Bridges Project

Project Information

1. Date(s) Geologic Assessment was performed: 1/4/2017 and 7/11/2018

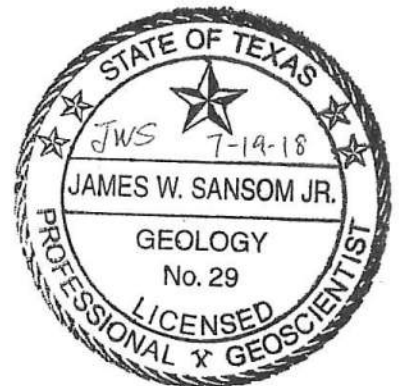
2. Type of Project:

WPAP
 SCS

AST
 UST

3. Location of Project:

Recharge Zone
 Transition Zone
 Contributing Zone within the Transition Zone



GEOLOGIC STRATIGRAPHIC COLUMN

<u>System</u>	<u>Series</u>	<u>Group</u>	<u>Formation</u>	<u>Approx. Thickness</u> (feet)	<u>Symbol</u>	<u>Description</u>
Quaternary	Recent		Alluvium	+/- 15	Qal	Unconsolidated gravel, sand, silt, and clay along rivers and streams.
Cretaceous	Comanche	Washita	Georgetown	65-110	Kgt	Nodular limestone and marl, very fossiliferous.
			Fredericksburg	Edwards	100-300	Ked
			Comanche Peak	40-70	Kc	Fine-grained, nodular, fossiliferous, burrowed, marly limestone.

Geology Source: Modified from Senger, Collins, and Kreitler, 1990, "Hydrogeology of the Northern Segment of the Edwards Aquifer, Austin Region," Bureau of Economic Geology Report of Investigations No. 192; and Collins, 1997, "Geologic Map of the Georgetown Quadrangle, Texas," Bureau of Economic Geology Open-File Map 85.

Geologic Assessment
Austin Avenue Bridges Project

Attachment C, Site Geology.

The site of the proposed Austin Avenue Bridges Project is located at the South and North San Gabriel Bridges and associated road ways both North and South of these bridges in central Georgetown, Texas.

The majority of the project is located on the Georgetown formation that is overlaid by alluvial deposits along both river beds. A fault has been mapped that generally parallels the bridges on Austin Avenue road way on the west. The Edwards formation occurs west of the fault and is faulted against the Georgetown formation on the east side as shown on the Site Geologic Map that was published by the Bureau of Economic Geology. The alluvial deposits that occur in the floodplains of both rivers and between them vary in thickness are estimated to be up to 15 feet thick. These deposits consist of unconsolidated sand, silt, clay, and gravel.

The Edwards formation ranges in thickness from 100 to 300 feet in this area. It is a thin to thick bedded hard massive limestone and dolomite that commonly has chert nodules, fossils, and solution features such as honeycomb, caves and sinkholes. The Georgetown formation ranges in thickness from 65 to 110 feet. It is a nodular fossiliferous limestone and marl.

The soils of the Doss, Oakalla, and Eckrant series occur on site have been mapped by the Soil Conservation Service of the U. S. Department of Agriculture and reported in their *Soil Survey of Williamson County Texas* authored by Werchan and Coker dated January 1983. Oakalla soils (Oc and Oa, occur along river channels and occasionally flooded areas near rivers, respectively) are deep (2.3' to 5.0' thick), well drained soils that formed in stream loamy alluvium deposits (Qal). Thus these soils occur within the flood plain of both the South and North San Gabriel Rivers and between the two bridges of Austin Avenue over these rivers. The Doss soils (DoC) are shallow (0.9' to 1.7'), well drained silty clay soils that formed on limestone. Eckrant soils (EaD) are shallow to very shallow (0.4' to 1.7'), well drained stony and clayed soils that formed on indurated limestone. Both the shallow soils of the Doss and Eckrant Series occur over the Edwards and Georgetown formations in places.

Four non-karst closed depressions (CD) were identified (S-1, 2, 3, and 4) adjacent to three of the foundation piers of the South San Gabriel River Bridge between the river and its north abutment. These most likely are the result of scour in the Alluvial deposits when the river was flooding in the past. They are listed below:

S-1 +/- 10' long (West to East), +/- 5' long (North to South), maximum depth of +/- 2.5'. This feature occurs at the third foundation footing North of the San Gabriel River that consisted of three concrete drilled shafts that are approximately +/- 20' apart. It is adjacent to the outside pier on the East side. GPS location utilizing Map Datum of WGS 84 is N 30°38'35.9" W 97°40'41.1". It is flagged with red ribbon that shows S-1, JWS, and 7/18.

S-2 +/- 8' long (West to East), +/- 7' long (North to South), maximum depth of

+/- 2.5'. This feature occurs at the middle pier of the bridge immediately West of S-1 about 20 feet. GPS readings are not available under the bridge so it is the same as S-1 approximately 20 feet West. It is flagged with red ribbon that shows S-2, JWS, and 7/18.

S-3 +/- 17' long (West to East), +/- 9' long (North to South), maximum depth of +/- 2.5'. This feature surrounds the Western pier of the three that make up the second foundation footing North of the South San Gabriel River Bridge. GPS reading is: N 30°38'35.4" W 97°40'41.9" It is flagged with red ribbon that shows S-3, JWS, and 7/18.

S-4 +/- 18' long (West to East), +/- 9' long (North to South), maximum depth of +/- 3'. The feature wraps around the West end of the first foundation footing adjacent to the South San Gabriel River on its North side. This footing is solid, not made up of three concrete piers like the other two referred to above. GPS reading is: N 30°38'35.2" W 97°40'42.4". It is flagged with red ribbon that shows S-4, JWS, and 1/4/17.

The site is located within the Balcones Fault Zone and a fault has been mapped that parallels Austin Avenue on its West side. It is discussed above. As shown on the Site Geologic Map the fault is closest to the Austin Avenue Bridge Project at the North San Gabriel River Bridge. In this area of the North San Gabriel River there are two springs on the north side of the river and two on the south side of the river. The two springs (Spg 3) on the North side of the river are approximately 115 to 120 feet West and upstream from the North San Gabriel Bridge. In January of 2017 one was flowing out of a joint in an outcrop of the Edwards formation. Additional joints and one fault occur at this outcrop that have a strike of N 30°E. The other spring was flowing considerable more than the first one and it was flowing out of the overlying alluvial material. It is within 10 feet of the first spring. On July 11, 2018 there was only a slight seep coming from the second spring observed at this location.

On the south side of the river one spring (Spg 2) is about 90' west of the bridge and in January 2017 had a small flow coming from it. It was flowing from the alluvium along the bank of the river. The third spring (Spg 1) was closest to the bridge, about 35', and at the same time it too was flowing from the alluvium but had a much more significant flow than the other three springs. When visited July 11, 2018 no flow was observed at both of these two spring locations. Some or possibly all of these springs might be flowing along joints and/or faults related to the fault that has been mapped West of the Austin Avenue roadway and bridges. The GPS locations of these springs are listed below that were taken by Meghan Pawlowski of Cox/McLain utilizing datum of NAD83.

Spg 1	N 30.645058°	W 097.678425°
Spg 2	N 30.644997°	W 097.678608°
Spg 3	N 30.645169°	W 097.678685°

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)
Oakalla	B	2.3' to 5'
Eckrant	D	0.4' to 1.7'
Doss	C	0.9' to 1.7'

* 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" = 200'
 Site Geologic Map Scale: 1" = 200'
 Site Soils Map Scale (if more than 1 soil type): 1" = 1667'
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.

SITE GEOLOGIC MAP

Austin Avenue Bridges Project

Explanation:

Sensitive Features

① S-1

Springs

① Spg-1

Geologic Formations:

Alluvium Outcrop

Qal

Georgetown Formation Outcrop

Kgt

Edwards Formation Outcrop

Ked

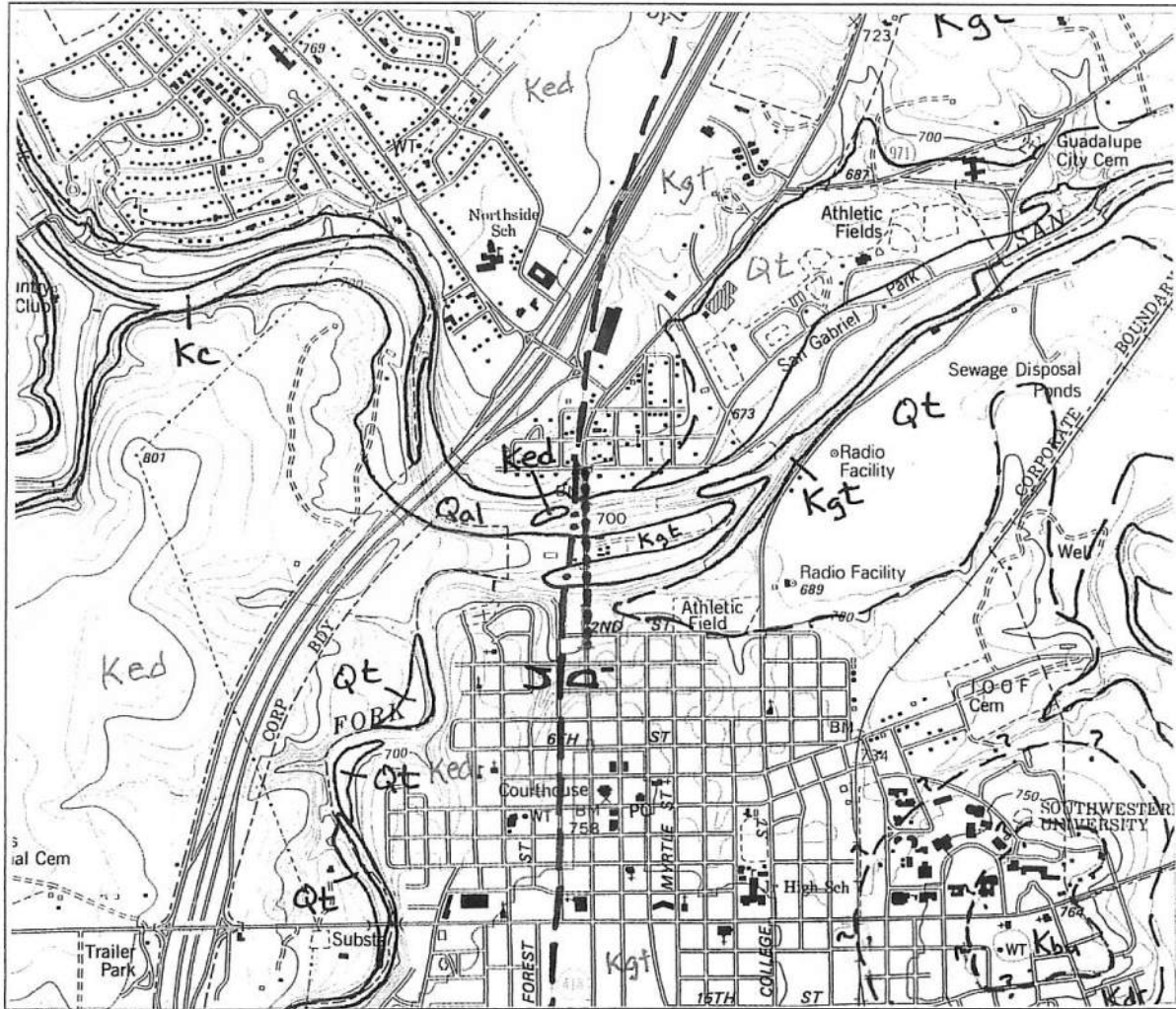
Faults: U = upthrown side,
D = downthrown side,
dashed where inferred,
dotted where covered.



Geologic Map Source: E. W. Collins, 1997, "Geologic Map of the Georgetown Quadrangle, Texas" Bureau of Economic Geology Open-File Map 085.

Scale:
1 inch = 200 feet

Austin Avenue Bridges Project



LOCATION AND GEOLOGIC MAP OF SITE AREA

Qal	Alluvium	Kgt	Georgetown fm.
Qt	Terrace deposits	Ked	Edwards fm.
Kbu	Buda fm.	Kc	Comanche Peak fm.
Kdr	Del Rio Fm.		

Faults: U = upthrown side,
 D = downthrown side,
 dashed where inferred,
 dotted where covered.

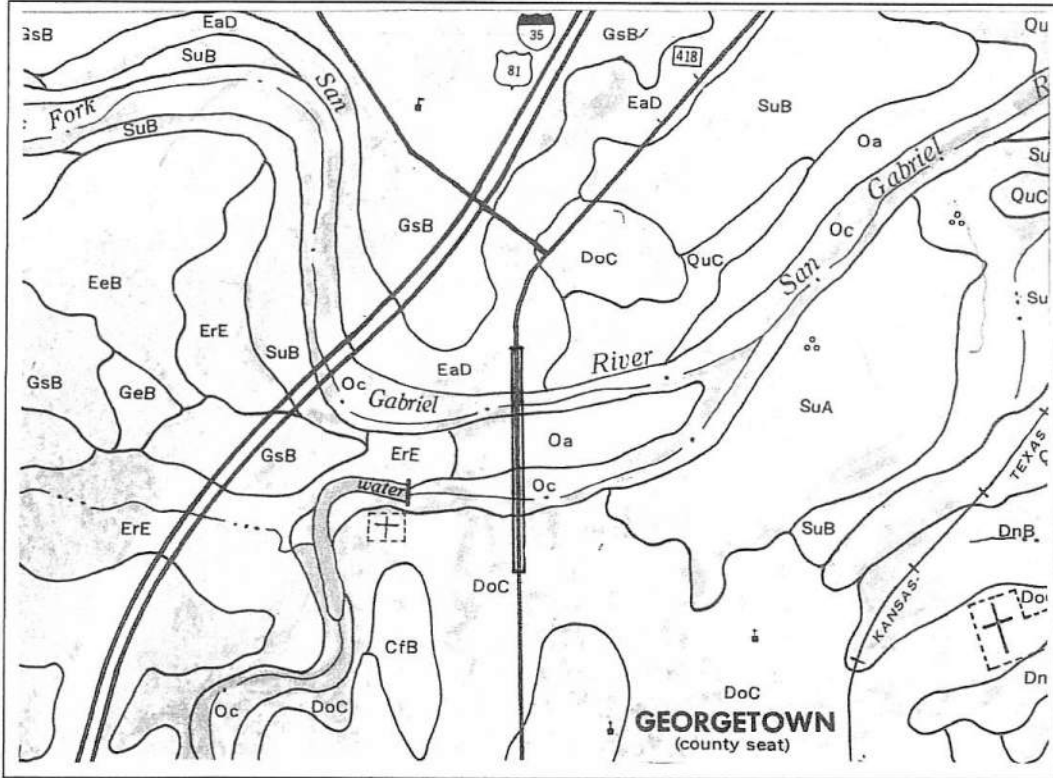


Site Location:

Scale:
 1 inch = 2000 feet

Map Source: E. W. Collins, 1997, "Geologic Map of the Georgetown Quadrangle, Texas" Bureau of Economic Geology Open-File Map 085.

Austin Avenue Bridges Project



SOILS MAP OF SITE AREA

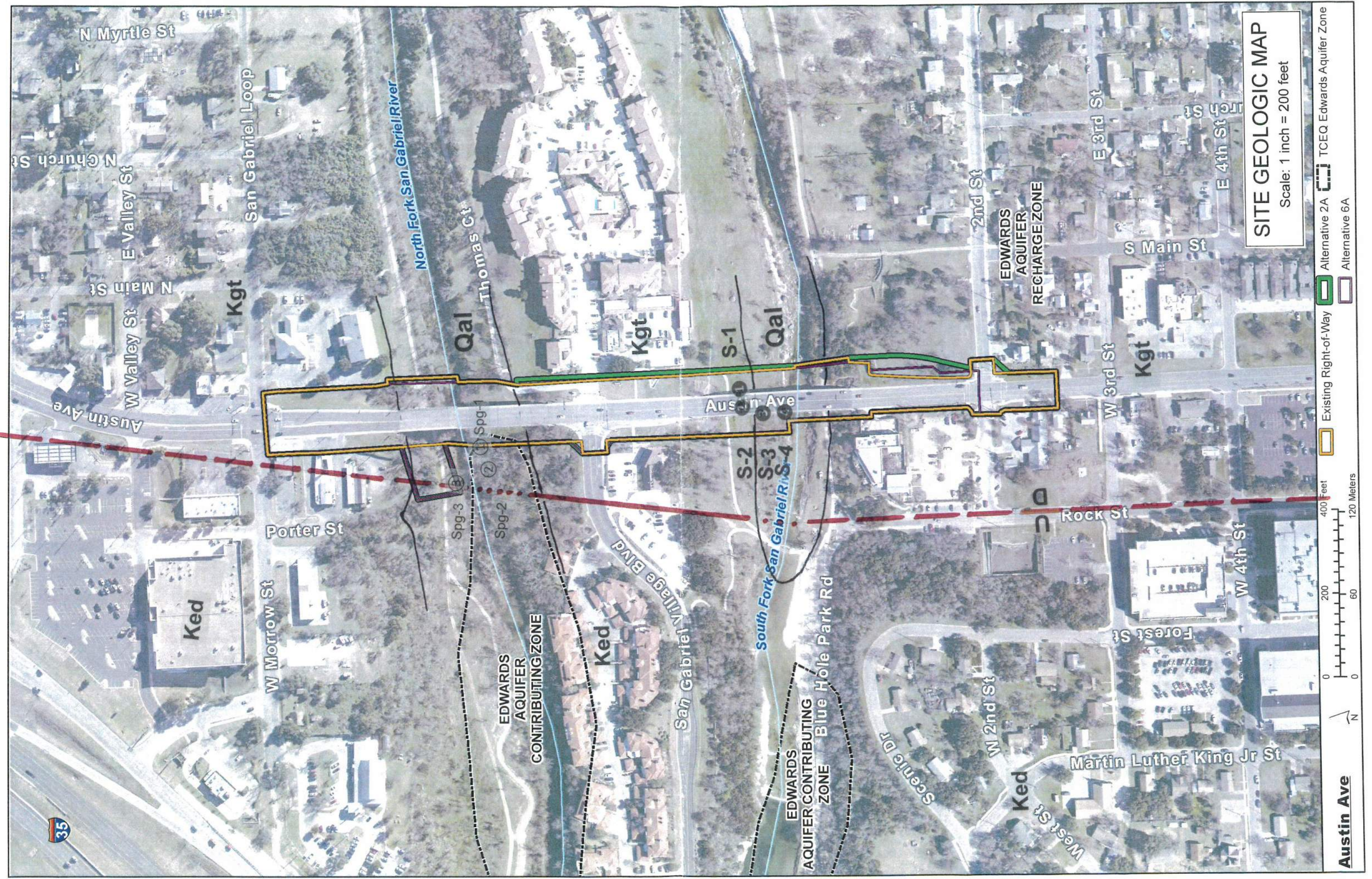
Oc	Oakalla	EaD	Eckrant
Oa	Oakalla	DoC	Doss

Site Boundary: 

Scale:
1 inch = 1667 feet



Map Source: Werchan & Coker, 1983, "Soil Survey of Williamson County, Texas", Soil Conservation Service, United States Department of Agriculture.



SITE GEOLOGIC MAP
Scale: 1 inch = 200 feet

Austin Ave

Existing Right-of-Way
 Alternative 2A
 Alternative 6A

TCEQ Edwards Aquifer Zone

0 200 400 Feet
 0 60 120 Meters

N