

AJ Brauer Stone, Inc.

Water Pollution Abatement Plan Modification
WPAP Mod

AJ Brauer Stone 305 Pit
4386 County Road 305
Jarrell, Texas 76537
Williamson County

Submitted to: TCEQ Region 11, Austin

Prepared By:



Boerne, Texas

830-249-8284

Date: July 2023

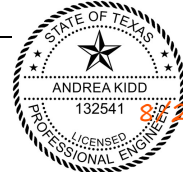
Project No. 10940-004

-AK-

A handwritten signature in blue ink that reads "Andrea Kidd".

Signature: _____
Andrea Kidd, P.E. - License No. 132541
TX PE Firm No. 4524

Date: _____



8/2/2023

Modification of a Previously Approved Plan Checklist

- **Edwards Aquifer Application Cover Page (TCEQ-20705)**
- **General Information Form (TCEQ-0587)**
 - Attachment A - Road Map
 - Attachment B - USGS / Edwards Recharge Zone Map
 - Attachment C - Project Description
- **Geologic Assessment Form (TCEQ-0585)**
 - Attachment A - Geologic Assessment Table (TCEQ-0585-Table)
 - Attachment B - Stratigraphic Column
 - Attachment C - Site Geology
 - Attachment D - Site Geologic Map(s)
- **Modification of a Previously Approved Plan (TCEQ-0590)**
 - Attachment A - Original Approval Letter and Approved Modification Letters
 - Attachment B - Narrative of Proposed Modification
 - Attachment C - Current Site Plan of the Approved Project
- **Application Form (include any applicable to the proposed modification):**
 - Aboveground Storage Tank Facility Plan (TCEQ-0575)
 - Organized Sewage Collection System Application (TCEQ-0582)
 - Underground Storage Tank Facility Plan (TCEQ-0583)
 - Water Pollution Abatement Plan Application (TCEQ-0584)
 - Lift Station / Force Main System Application (TCEQ-0624)
- **Temporary Stormwater Section (TCEQ-0602)**
 - Attachment A - Spill Response Actions
 - Attachment B - Potential Sources of Contamination
 - Attachment C - Sequence of Major Activities
 - Attachment D - Temporary Best Management Practices and Measures
 - Attachment E - Request to Temporarily Seal a Feature (if requested)
 - Attachment F - Structural Practices
 - Attachment G - Drainage Area Map
 - Attachment H - Temporary Sediment Pond(s) Plans and Calculations
 - Attachment I - Inspection and Maintenance for BMPs
 - Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices
- **Permanent Stormwater Section (TCEQ-0600), if necessary**
 - Attachment A - 20% or Less Impervious Cover Declaration (if requested for multi-family, school, or small business site)
 - Attachment B - BMPs for Upgradient Stormwater

Attachment C - BMPs for On-site Stormwater

Attachment D - BMPs for Surface Streams

Attachment E - Request to Seal Features, if sealing a feature

Attachment F - Construction Plans

Attachment G - Inspection, Maintenance, Repair and Retrofit Plan

Attachment H - Pilot-Scale Field Testing Plan (if requested)

Attachment I - Measures for Minimizing Surface Stream Contamination

- **Agent Authorization Form (TCEQ-0599), if application submitted by agent**
- **Application Fee Form (TCEQ-0574)**
- **Check Payable to the “Texas Commission on Environmental Quality”**
- **Core Data Form (TCEQ-10400)**

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

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

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

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

Technical Review

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

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

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

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity Name: AJ Brauer Stone 305 Pit					2. Regulated Entity No.: 106619265				
3. Customer Name: A.J. Brauer Stone, Inc.					4. Customer No.: 604605089				
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):			317	
9. Application Fee:	\$10,000		10. Permanent BMP(s):			Stormwater Ponds, swale along road			
11. SCS (Linear Ft.):	N/A		12. AST/UST (No. Tanks):			N/A			
13. County:	Williamson		14. Watershed:			Salado Creek			

Application Distribution

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

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

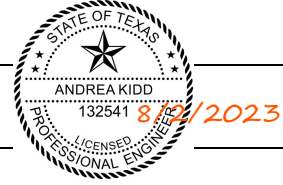
For more detailed boundaries, please contact the conservation district directly.

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	—	—	_x_
Region (1 req.)	—	—	_x_
County(ies)	—	—	_x_
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

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.

Andrea Kidd, P.E.
 TX License No. 132541/ Firm No. 4524



Print Name of Customer/Authorized Agent/Engineer

Andrea Kidd

Signature of Customer/Authorized Agent/Engineer

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 Engineer: Andrea Kidd, P.E.

TX License No. 132541 | TX Firm No. 4524

Date: _____

Signature of Engineer:



Project Information

1. Regulated Entity Name: AJ Brauer Stone 305 Pit
2. County: Williamson
3. Stream Basin: Salado Creek
4. Groundwater Conservation District (If applicable): _____
5. Edwards Aquifer Zone:
 Recharge Zone
 Transition Zone
6. Plan Type:
 WPAP
 SCS
 Modification
 AST
 UST
 Exception Request

7. Customer (Applicant):

Contact Person: Jay Brauer

Entity: A.J. Brauer Stone, Inc.

Mailing Address: 4386 CR 305

City, State: Jarrell, Texas

Zip: 76537

Telephone: (512) 748-5877

FAX:

Email Address: jbrauer@bstoneandtile.com

8. Agent/Representative/Engineer (If any):

Contact Person: Andrea Kidd, P.E.

Entity: Westward Environmental, Inc.

Mailing Address: #4 Shooting Club Rd.

City, State: Boerne, TX

Zip: 78006

Telephone: 830-246-8284

FAX: 830-249-0221

Email Address: akidd@westwardenv.com

9. Project Location:

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

From the intersection of I-35 access road and CR 487 in Jarrell, travel west one mile to intersection with CR 305, turn right onto CR 305 and travel 0.5 miles. Gate is on left at 3528 CR 305. Mailing address is 4386 CR 305, Jarrell.

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: Site is fenced and features are flagged.

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

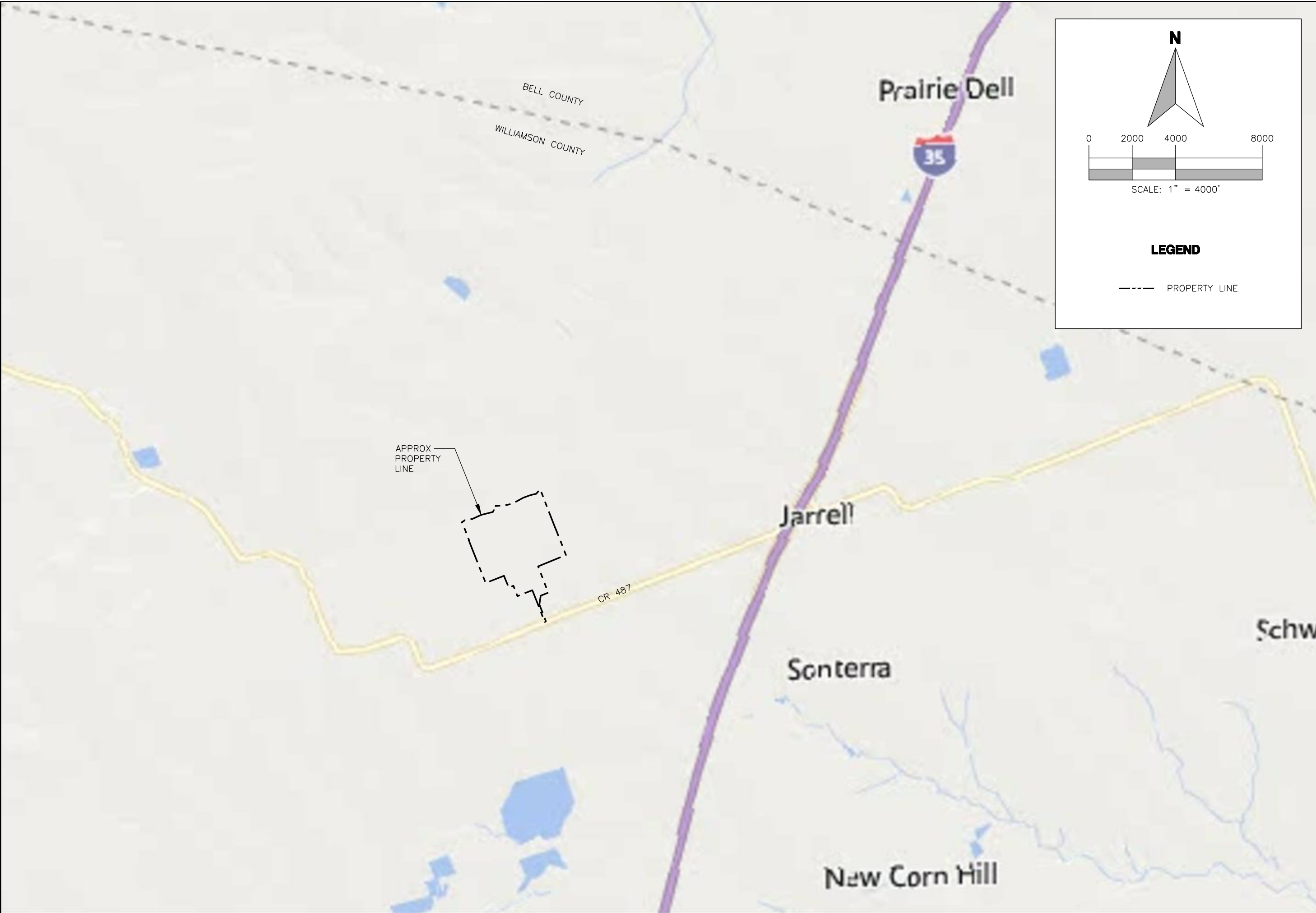
16. I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:

- (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.



N

SCALE: 1" = 4000'

LEGEND

- - - - - PROPERTY LINE

WESTWARD
 Environmental, Engineering, Natural Resources.
 P.O. Box 2205 Boerne, Texas 78006
 (830) 249-8284 Fax: (830) 249-0221
 TBPE REG. NO.: F-4524
 TBPC REG. NO.: 50112

THIS PRODUCT IS FOR INFORMATIONAL PURPOSES AND MAY NOT BE SUITABLE FOR LEGAL, ENGINEERING, OR SURVEYING PURPOSES. IT DOES NOT REPRESENT AN ON-THE-GROUND SURVEY AND REPRESENTS ONLY THE APPROXIMATE RELATIVE LOCATION OF PROPERTY BOUNDARIES.

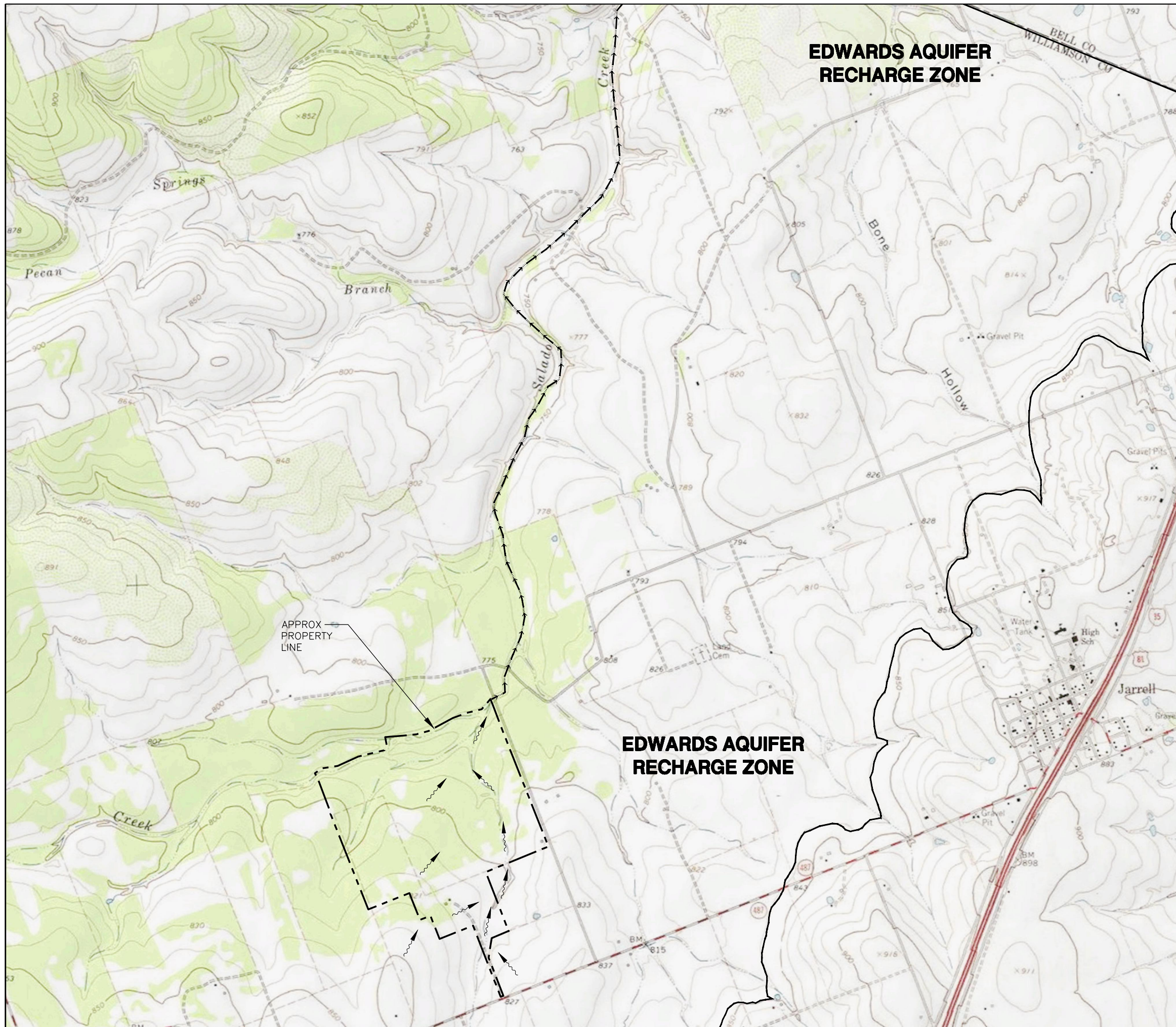
ROAD MAP	
WPAP MOD	
A.J. BRAUER STONE, INC.	
JARRELL, WILLIAMSON COUNTY, TEXAS	
DESCRIPTION	BY DATE
REV.	

IMAGE:	BING ROAD MAP
ISSUE DATE:	05/26/2023
DRAWN BY:	AK
CHECKED BY:	CJF
SCALE:	1" = 4000'
JOB NO.:	10940-004

SHEET NO.:

1

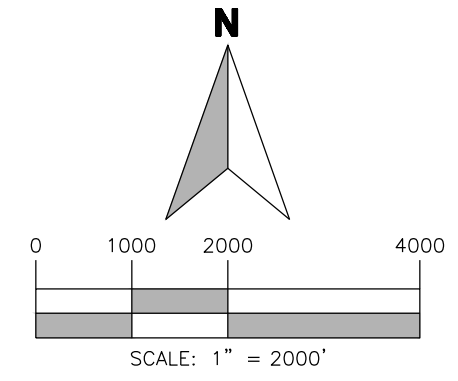
OF 1



EDWARDS AQUIFER RECHARGE ZONE

EDWARDS AQUIFER RECHARGE ZONE

APPROX PROPERTY LINE



LEGEND

- FLOW ARROW
- FLOW PATH
- EDWARDS AQUIFER BOUNDARY
- APPROXIMATE PROPERTY BOUNDARY

WESTWARD
 Environmental Engineering, Natural Resources.
 P.O. Box 2205 Boerne, Texas 78006
 (830) 249-8284 Fax: (830) 249-0221
 TPBE REG. NO.: F-4524
 TEPG REG. NO.: 50112

THIS PRODUCT IS FOR INFORMATIONAL PURPOSES AND MAY NOT BE SUITABLE FOR LEGAL, ENGINEERING, OR SURVEYING PURPOSES. IT DOES NOT REPRESENT AN ON-THE-GROUND SURVEY AND REPRESENTS ONLY THE APPROXIMATE RELATIVE LOCATION OF PROPERTY BOUNDARIES.

USGS MAP

WPAP MODIFICATION
 A.J. BRAUER STONE, INC.
 JARRELL, WILLIAMSON COUNTY, TEXAS

REV.	DESCRIPTION	BY	DATE

IMAGE:	USGS
ISSUE DATE:	05/26/2023
DRAWN BY:	AK
CHECKED BY:	NM
SCALE:	1" = 2000'
JOB NO.:	10940-004

**A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit**

**General Information Form (TCEQ-0587)
Attachment C**

Project Description

This Water Pollution Abatement Plan (WPAP) Modification has been prepared on behalf of A.J. Brauer Stone, Inc. for the limestone quarry named AJ Brauer Stone 305 Pit which is accessed at the quarry entrance at 3528 CR 305, Jarrell, Texas. Approximately three hundred and seventeen (317) acres of the site are currently under an existing Water Pollution Abatement Plan (ID 11000985) dated August 3, 2018. A subsequent WPAP modification (ID 11003429) was approved on 2/17/2023 that included updating impervious cover for a road added in the southern portion of the site to allow access to FM 487.

For this modification, A.J. Brauer Stone, Inc. proposes to extend the future limits of disturbance northward to allow for quarrying, as needed, up to the permanent 25-foot natural buffer areas around the 100-year floodplain and onsite portions of the Salado Creek. The entire site acreage (317 acres) has already been included in previous WPAP authorizations; no new acreage is being added to this plan, however the demarcation of the limits of disturbance will be moved further north than previously represented. There will be no physical or operational modification of any existing water pollution abatement structures and there will be no change in the nature or character of the currently authorized regulated activities. As discussed in the Geological Assessment narrative below, quarrying will not occur within 200' of an existing mapped sensitive feature.

Quarry operations will continue as historically performed. Site activities include typical limestone quarry operations, including but not limited to: blasting, excavation, rock crushing, rock cutting, transporting rock and cut stone, and stockpiling rock. A portable rock crusher is proposed to be added to the pit; however, this activity does not alter the previously approved disturbed areas, nor increase impervious cover, nor change the typical activities that have been occurring at this quarry.

In general, the entire site slopes gently to the northeast. Most of the currently operational areas of the site have a topography which directs stormwater to topographically low ponding areas throughout the site. Wooded areas of the site, portions of which have been selectively mined at shallow levels in the past, have generally retained their original drainage patterns towards Salado Creek. As represented on the maps, in the northern portion of the site, a permanent 25-foot natural buffer remains off the 100-year floodplain boundary and the centerline of the Salado Creek.

Trash generated on-site will continue to be disposed of in a dumpster and handled by a licensed waste service. Portable toilets and/or sewage pump-out tanks will be utilized on-site and will be pumped out and disposed of by truck on a weekly basis. There will be an earthen berm around the portable toilets.

A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit

A Geologic Assessment (GA) was prepared on March 2, 2016 and is included with this WPAP Modification application and evaluates the entire A.J. Brauer Stone, Inc. property. Note that the GA as prepared and previously submitted is included and was obtained from TCEQ through a Public Information Request. However Westward is also including a Site Geologic Map and a Site Soils Map, both at 1" = 400' scale, that Westward has created from the existing GA data in order to comply with the current requirements. The GA indicated only one naturally occurring sensitive feature (C-1). The sensitive feature C-1 has a 200' diameter permanent natural buffer and is noted on included site maps; quarrying will not occur within this area. Three water wells were identified on the property. Previous shallow mine diggings located to the north of the active quarry were noted in the GA narrative as insignificant. There are no proposed changes to the previously approved strategy for operations near sensitive areas.

In order to prevent pollution of groundwater in the Edwards Aquifer, guidelines from RG-500 involving quarry pit-floor separation from groundwater in the Recharge Zone were followed. The estimate of high-level water at the site was made by comparing nearby off-site Edwards well data (State well no. 5811602) to that of the Williamson County reference well (State well no. 5827305). Based on the procedure outlined in RG-500, the quarry floor should be located a minimum of 25-feet above the estimated high-water level at the quarry, therefore the maximum quarry pit-floor depth shall not be excavated below an elevation of 660 feet amsl.

If road crossings are needed over the onsite streams, these will be constructed in accordance with the Army Corps Nationwide Permit 14. Appropriate permitting will be obtained from the Williamson County floodplain administrator and/or the U.S. Army Corps of Engineers, as needed. A temporary buffer zone has already been established around the mapped bluelines.

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: Randy Elder

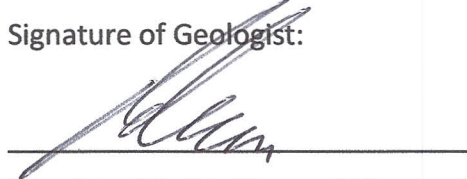
Telephone: (504) 301-7962

Date: 3/2/16

Fax: _____

Representing: 12 Stone Consulting (TBPG #11476) (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: AJ Brauer Stone Inc.

Project Information

1. Date(s) Geologic Assessment was performed: 10/17/13, 11/27/13, 12/12/13, 12/8/14

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)
Eckrant cobbly clay (EaD)	B	10" - 20"
Doss silty clay (DoC)	B	11" - 20"
Denton silty clay (DnB / DnC)	B	22" - 40"
Oakalla soils (Of)	A	>80"

Soil Name	Group*	Thickness(feet)

** Soil Group Definitions (Abbreviated)*

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

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" = 1,833'
9. Method of collecting positional data:
 - Global Positioning System (GPS) technology.
 - Other method(s). Please describe method of data collection: Google Earth
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 3 (#) 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: AJ Brauer Stone Inc.										
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)	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY	CATCHMENT AREA (ACRES)		TOPOGRAPHY		
						X	Y	Z							<40	≥40	<1.6	≥1.6		
C-1	30.821580	-97.645725	C	30	Ked	12	2	13	N70°W		N/A	N/A	O	15	45		X	X		Flat
W-1	30.818268	-97.642493	MB	30	Ked	water well			N/A		N/A	N/A	N/A	30	X		X		Flat	
W-2	30.817965	-97.644798	MB	30	Ked	water well			N/A		N/A	N/A	N/A	30	X		X		Flat	
W-3	30.816537	-97.649526	MB	30	Ked	water well			N/A		N/A	N/A	N/A	30	X		X		Flat	
CR-1	30.824881	-97.648729	O	5	Ked	Salado Creek			WSW/ENE		N/A	N/A	N/A	10	15	X		N/A	Floodplain	

* 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.

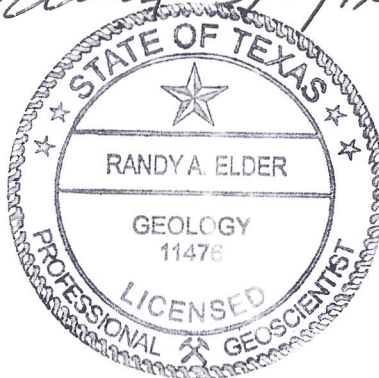
My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Randy A. Elder 3/2/16

Date

Sheet 1 of 1

TCEQ-0585-Table (Rev. 10-01-04)



Attachment B
Soil Profile and Narrative of Soil Units

There appears to be four (4) distinct soil types found at the site. Each soil type is summarized below and a United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey map and soil descriptions are included here. Observations of surface materials, available cross-section outcrops, and animal diggings made during the field inspection portion of the Geologic Assessment in general verified the descriptions below found in the NRCS Soil Survey

EaD – Eckrant cobbly clay, 1 to 8 percent slopes

Depth	General Description
0 to 4”	Dark grayish-brown Cobbly CLAY
4” to 11”	Dark brown very Cobbly CLAY
11” to 16”	Coarsely fractured indurated limestone

The Eckrant cobbly clay is typically found on shoulders/side slopes of ridges in the area and is the residuum of weathered limestone. This well-drained soil is calcareous and moderately alkaline. The soil has a very shallow to shallow root zone, the permeability is moderately slow, and the surface runoff is rapid. This soil type dominates the vast majority of the site, most notably in the far eastern, central, and western areas of the site.

DoC – Doss silty clay, 1 to 5 percent slopes

Depth	General Description
0 to 9”	Dark grayish-brown Silty CLAY
0 to 19”	Silty CLAY loam
19” to 36”	Weakly cemented limy earth w/ limestone fragments

The Doss silty clay is typically found on plains of the area and is the residuum of weathered limestone. This well-drained soil is calcareous and moderately alkaline. The soil has a shallow root zone, the permeability is moderately slow, and the surface runoff is medium. This soil type is found in two (2) areas of the south-central portion of the site.

DnB / DnC – Denton silty clay, 1 to 3 percent slopes / 3 to 5 percent slopes

Depth	General Description
0 to 18”	Dark brown Silty CLAY
18” to 36”	Very pale brown Gravelly Silty CLAY loam
36” to 38”	Bedrock (limestone) inter-bedded with weathered limestone and limy soils

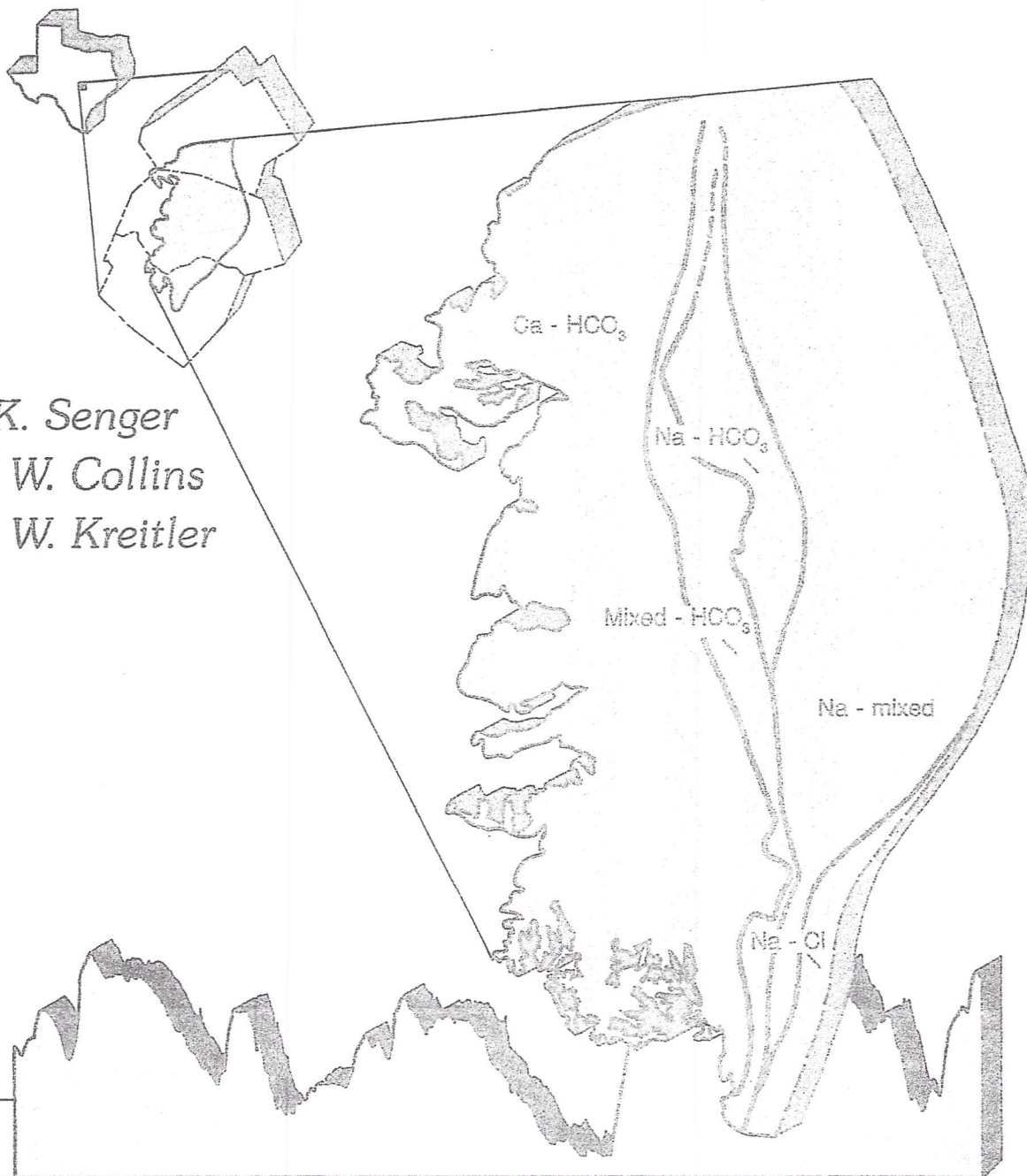
The Denton silty clay is typically found on shoulders, summits, and backslopes of ridges in the area and is the clayey residuum of weathered limestone. This well-drained soil is calcareous, and moderately alkaline. The soil has a moderately deep root zone, the permeability is slow, and the surface runoff is medium. This soil type is found in three (3) areas of the central and southern portions of the site.

Of – Oakalla soils, frequently flooded

Depth	General Description
0 to 7”	Dark brown loam
7” to 16”	Dark brown CLAY loam
16” to 66”	Dark brown Sandy CLAY loam

The Oakalla soils are typically found on floodplains of the area and is the Holocene-age alluvium from mixed sources. This well-drained soil is calcareous, and moderately alkaline. This soil type is found in a strip along the entire length of the northern portion of the site.

Hydrogeology of the Northern Segment of the Edwards Aquifer, Austin Region

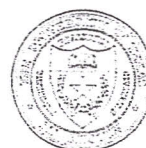


Rainer K. Senger
Edward W. Collins
Charles W. Kreidler

Bureau of Economic Geology

1990

W. L. Fisher, Director
The University of Texas at Austin
Austin, Texas 78713



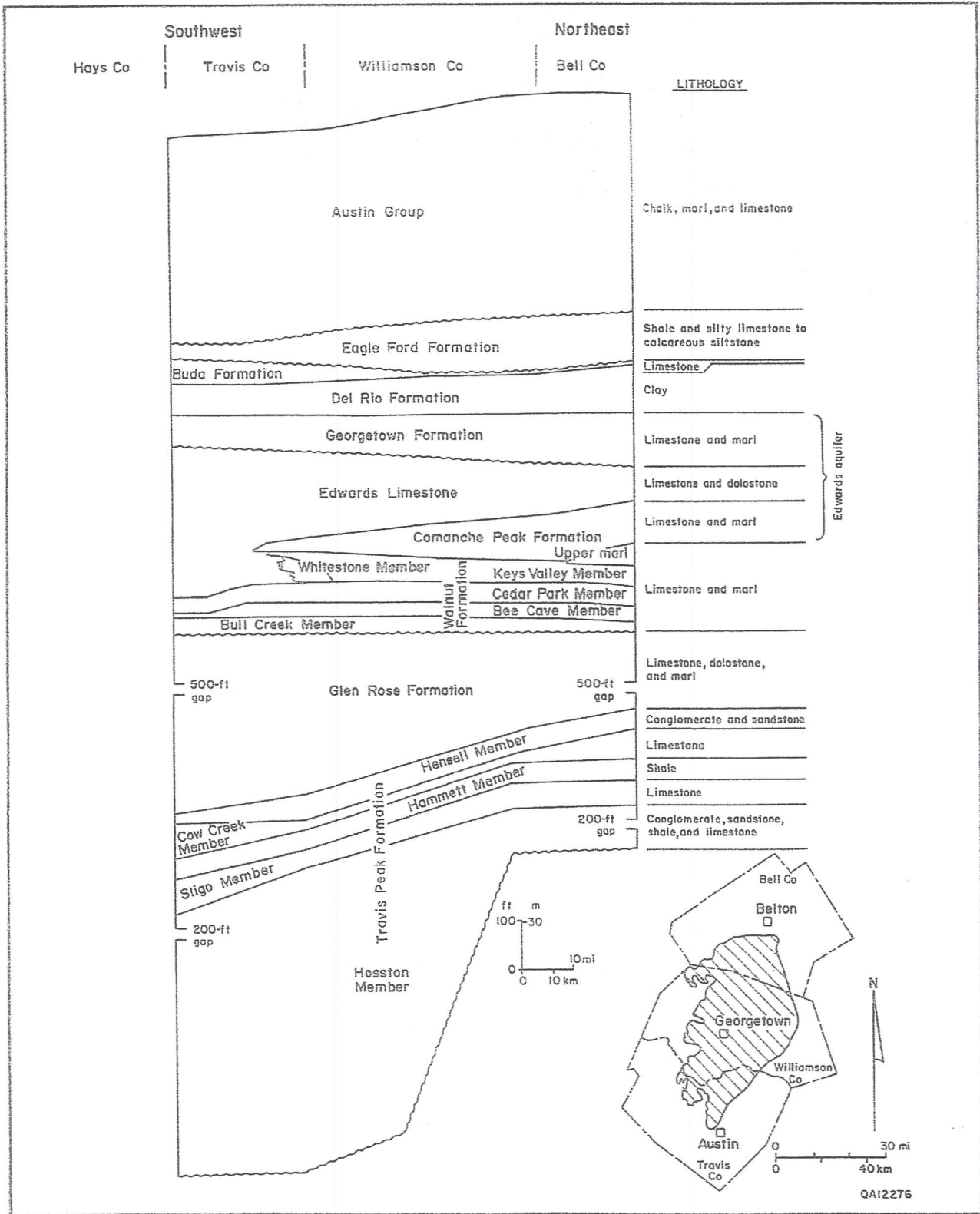


Figure 4. Stratigraphic column of Cretaceous rocks of the northern segment of the Edwards aquifer, Austin region.

Geology

Stratigraphy

Rocks that crop out in the vicinity of the northern Edwards aquifer segment consist of Lower Cretaceous strata (Glen Rose, Walnut, Comanche Peak, Edwards, Georgetown, Del Rio, and Buda units), Upper Cretaceous strata (Eagle Ford, Austin, and Taylor units), and Quaternary terrace deposits (figs. 4 and 5). The water-bearing limestones that compose the Edwards aquifer in this area lie within the Comanche Peak, Edwards, and Georgetown strata; however, the Edwards Limestone contains most of the aquifer.

Glen Rose Formation

The Glen Rose Formation is composed of limestone, dolostone, and marl that were deposited in a variety of environments, such as normal-marine, tidal-flat, reef, and hypersaline settings (Young, 1967). The unit represents a late Trinity transgressive pulse. Glen Rose strata crop out west of the northern Edwards aquifer recharge area as well as south of it along the Colorado River west of Austin. In the Austin area the unit is 500 to 1,000 ft (150 to 300 m) thick (Garner and Young, 1976). Dolomitic limestones of the Glen Rose contain water and make up part of the Trinity hydrogeologic unit (Slade, 1985). Strata of the underlying Travis Peak Formation compose the lower part of the Trinity aquifer (fig. 4).

Walnut Formation

The Walnut Formation, composed of limestone and marl, underlies and crops out west of Edwards aquifer strata. The formation is a transgressive facies deposited in a shallow-marine environment. The Walnut sequence in the area was subdivided into six members by Moore (1964): the Bull Creek limestone, Bee Cave marl, Cedar Park limestone, Whitestone limestone, Keys Valley marl, and the upper marl. Only the Bull Creek, Bee Cave, and Cedar Park Members occur in the Austin area (fig. 4). The Whitestone and Keys Valley Members overlie these strata in northern Travis and southern Williamson Counties. Toward the north, in Williamson and Bell Counties, only the Keys Valley marl overlies the three older members. The upper marl member occurs in Bell County at the north edge of the study area. Individual Walnut members are approximately 30 to 50 ft (9 to 15 m) thick. The Walnut sequence is generally not a water-bearing unit.

Comanche Peak Formation

The Comanche Peak Formation, a nodular limestone and marl sequence, is about 70 ft (21 m) thick in Bell County and thins to about 40 ft (12 m) in southern Williamson County. This unit pinches out in Travis County north of the Colorado River. The Comanche Peak has transitional contacts with the Walnut and Edwards sequences. Comanche Peak lithology and fauna indicate a widespread, uniform, marine depositional environment (Hayward and Brown, 1967; Young, 1967). These limestones contain part of the northern Edwards aquifer, although permeabilities in Comanche Peak strata are generally considered lower than those in some of the Edwards Limestone strata.

Edwards Limestone

The Edwards Limestone within the northern Edwards aquifer segment consists of massive- to thin-bedded limestones and dolostones. The sequence is about 300 ft (90 m) thick in the Austin area and thins northward to about 100 ft (30 m) in southern Bell County (fig. 4) (Moore, 1964; Young, 1967; Fisher and Rodda, 1969). The Edwards is a transgressive facies representing a reef-lagoon complex. Rodda and others (1970) described the Edwards near Austin as a formation consisting of four informal members differentiated on the basis of lithology. Recent workers such as Slade and others (1986) have followed the terminology of Rose (1972), who elevated the Edwards to group status and named two new formations (Kainer and Person). North of Austin, where the Edwards sequence begins to thin, the unit has not been formally or informally subdivided.

Honeycomb textures, voids in collapse breccias, and cavern systems in Edwards strata are characteristic of the unit and account for most of the significant porosity in the limestones that compose most of the aquifer (Abbott, 1973). Chert and rudistids also occur in Edwards strata and are useful for distinguishing Edwards strata from underlying Comanche Peak and overlying Georgetown strata in the field. The Georgetown Formation unconformably overlies Edwards strata.

The contacts between the Comanche Peak, Edwards, and Georgetown Formations do not reflect major lithologic changes. Even though porosity is greater within the Edwards sequence, locally the porosity within Comanche Peak and Georgetown

limestones may also be high. Mapped contacts between these formations may or may not have hydrologic significance. For example, seeps and springs were commonly observed in Williamson County near the Comanche Peak-Edwards contact between Edwards limestones having greater porosity than Comanche Peak limestones. However, at some localities seeps were observed discharging from Comanche Peak limestones about 20 ft (6 m) below the Edwards-Comanche Peak contact (Collins, 1987).

Georgetown Formation

The Georgetown Formation consists of mostly nodular limestones interbedded with some marls. Georgetown limestones are very fossiliferous; diagnostic marine megafossils include *Kingena wacoensis* and *Gryphaea washitaensis*. Small vugs may occur within some beds but generally are not common. The unit thickens northward across the study area from about 65 to 110 ft (20 to 34 m). The contact between the Georgetown Formation and overlying Del Rio Formation is gradational (Wilbert, 1967; Young, 1967). These limestones represent the uppermost Edwards aquifer strata.

Del Rio Formation

The Del Rio Formation consists of calcareous, fossiliferous clay that commonly contains pyrite and gypsum. *Exogyra arietina* is abundant in the clay. Unweathered Del Rio clay is composed of kaolinite, illite, and subordinate amounts of montmorillonite. During weathering, illite alters to montmorillonite. Weathered Del Rio clay contains only small quantities of illite and greater amounts of montmorillonite (Garner and Young, 1976). Del Rio clay is about 65 ft (20 m) thick in the area. It serves as the confining bed for the Edwards aquifer. The unit is usually poorly exposed in slopes below the Buda Formation. The sharp, conformable contact with the overlying resistant Buda limestone produces a distinct break in slope.

Buda Formation

The Buda Formation in Travis and Williamson Counties consists of a lower, slightly glauconitic, fossiliferous limestone and an upper, hard, resistant, burrowed, fossiliferous, shell-fragment limestone (Martin, 1967). The formation thins northward across the area from approximately 30 ft (10 m) to less than 3 ft (1 m). Buda limestone is absent at several places north of the San Gabriel River in Williamson County (Arrington, 1954). Arrington (1954) interpreted the area where Buda strata are absent as being structurally high. He also interpreted pre-Eagle Ford

erosion of the unit. Undivided Quaternary surficial material covers much of the area, so it is also possible that the Buda was eroded from the area during the Quaternary. Arrington (1954) interpreted the structural high as an anticline, although one or more covered faults may crosscut the area.

Eagle Ford Formation

The Eagle Ford Formation consists of a lower calcareous shale, a middle flaggy, silty limestone to calcareous siltstone, and an upper shale. The unit primarily contains montmorillonitic clay. Several thin (0.4 to 3 inches [1 to 8 cm]) bentonite beds also may occur in the middle part of the unit (Garner and Young, 1976). The Eagle Ford Formation is about 23 ft (7 m) thick in Travis County and about 65 ft thick (20 m) northward in Williamson County.

Austin Group

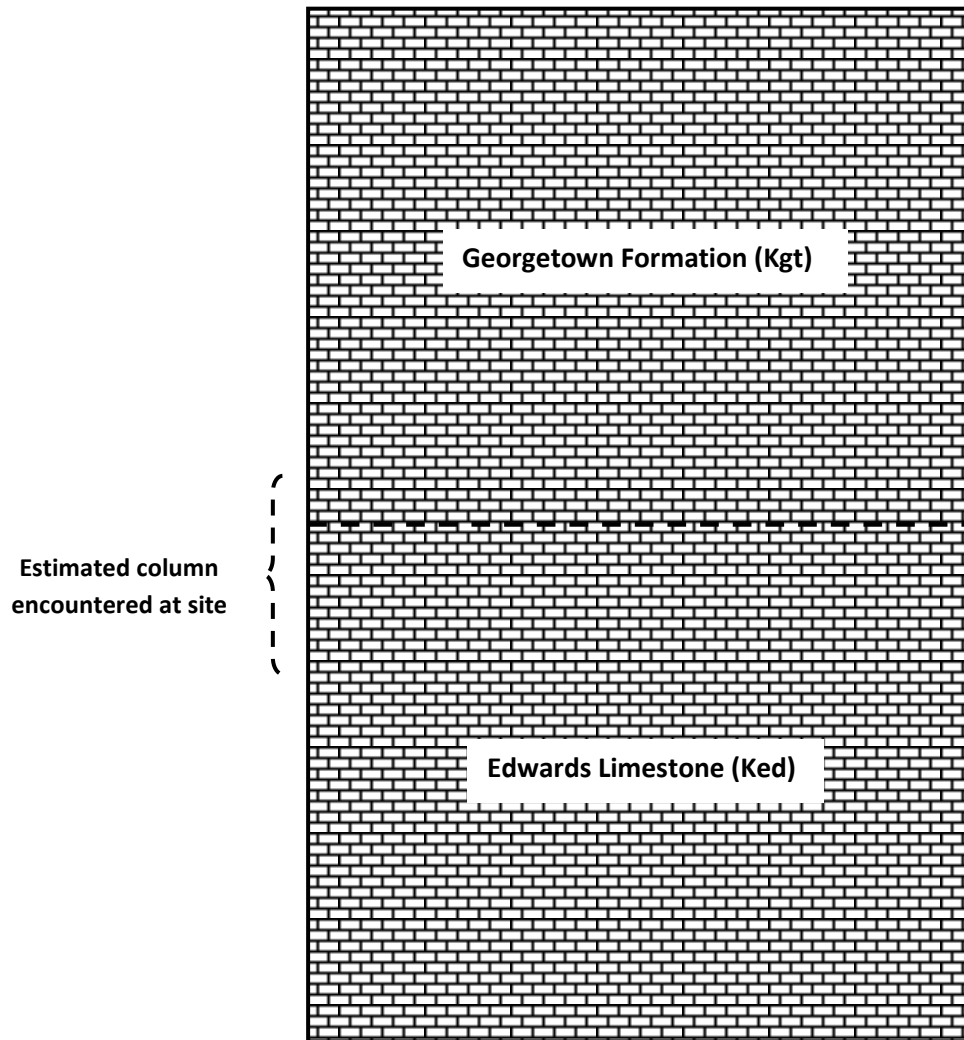
The Austin Group, also called Austin Chalk, consists of thin- to thick-bedded chalk, marl, and limestone. Young (1985) described seven formations in the Austin Group: the Atco, Vinson, Jonah, Dessau, Burditt, Pflugerville, and Sprinkle Formations. The Austin Group crops out at the east part of the area and is about 360 to 425 ft (110 to 130 m) thick (Marks, 1950; Garner and Young, 1976).

Quaternary Deposits

In the Edwards outcrop belt and westward, streams have incised narrow valleys, and Quaternary alluvial deposits are thin and areally narrow. Downstream from the Edwards outcrop belt, broad alluvial surfaces, which consist of terraces associated with active streams as well as older, remnant terraces, are well developed. Thin remnants (a few meters thick) of older terraces at elevations higher than terraces associated with the San Gabriel River, Berry Creek, and Brushy Creek record paleodrainage. Thicknesses of the Quaternary deposits in Williamson County are as great as 36 ft (11 m) and may be thicker in some locations. Seeps and springs commonly occur at the contact between bedrock and terrace deposits. Most of the seeps probably discharge ground water accumulated by surface infiltration into the porous alluvial sand and gravel.

Structure

All three Edwards aquifer segments (northern, Barton Springs, and San Antonio aquifer segments) straddle the Balcones Fault Zone. In the study area,



ATTACHMENT C

SITE STRATIGRAPHIC COLUMN

Attachment D

Geologic Narrative

Overview:

The site is located approximately 2.5 miles west-southwest of Jarrell (Williamson County), Texas. The property is located on the northwest side of the intersection of County Road 487 and Country Road 305. The site is located approximately four (4) miles south of the Williamson County / Bell County line, and is located on the Edwards Aquifer Recharge Zone. The natural topography of the site slopes to the north and northeast, where it meets Salado Creek which flows to the east.

According to a geologic map prepared by Collins (1997) which was modified from Moore (1964), the site is underlain predominantly by the Cretaceous-age Edwards Limestone, with a small area of Cretaceous-age Georgetown Formation in the far southeastern portion of the property. The presence of Georgetown Formation could not be confirmed during the Geologic Assessment.

Recent rainfall over the past few weeks has been somewhat heavy. Runoff from the southern portion of the property flows towards the quarry. Runoff from within the quarry flows to several lower portions of the quarry itself. Stormwater on the northern and western wooded portions of the property flows to the north towards Salado Creek, which flows to the east across the northern property boundary.

A total of five (5) features (natural and man-made) were identified and mapped within the close vicinity of the active during the field investigation. One (1) of the identified features were considered to be sensitive (cave "C-1" on the Site Plan and Geologic Assessment Table).

Field Work:

The field work portion of the Geologic Assessment was performed on October 17, 2013, November 27, 2013; and December 12, 2013 by 12 Stone Consulting. Field transects were walked across the entire site on 50-foot spacing where possible. In wooded areas of the site where 50-foot transects were not possible, routes as close to this spacing as possible were used. Portions of the property had talus or soil piles which made visual inspection of the surface beneath the piles impossible. It is assumed by 12 Stone Consulting that these areas do not have features which would cause concern. Natural and man-made features were logged, photographed, and GPS coordinates were taken for each feature. Due to the length of time that had passed since the submittal of a previous WPAP proposal, the site was revisited and examined again on December 8, 2014.

Stratigraphy:

The Edwards Limestone (Ked) is the predominant bedrock of the area. According to Senger et al. (1990), the Edwards Limestone consists of massive to thinly-bedded limestones and dolostones. The sequence is approximately 100 feet thick in the vicinity of the southern Bell County line. The Edwards Limestone can be distinguished from the underlying Comanche Peak Formation and the overlying Georgetown Formation by the presence of chert and rudistids in the field.

During the Geological Assessment, vugs, box work, and calcite recrystallization were noted to be common in some beds. Dark bluish-gray to black chert nodules were noted in the deeper portions of the quarry during the field inspection.

The Georgetown Formation has been mapped most recently by Collins (1997) to occur in the far southeastern portion of the property. Senger et al. (1990) describes the Georgetown Formation as consisting of mostly nodular, very fossiliferous limestones interbedded with some marls. Small vugs may occur but are uncommon. Senger et al. (1990) state that the Georgetown Formation and overlying Del Rio Formation represent the uppermost Edwards Aquifer strata.

No test hole data is currently available for the site.

Structures:

No faults were observed on the property in the field by 12 Stone Consulting or have been mapped by referenced sources. Several faults which are part of the Balcones Fault Zone are located to the southeast and northwest of the site, and trend N20°E. In general, rock strata of the area are flat.

Karstic Characteristics:

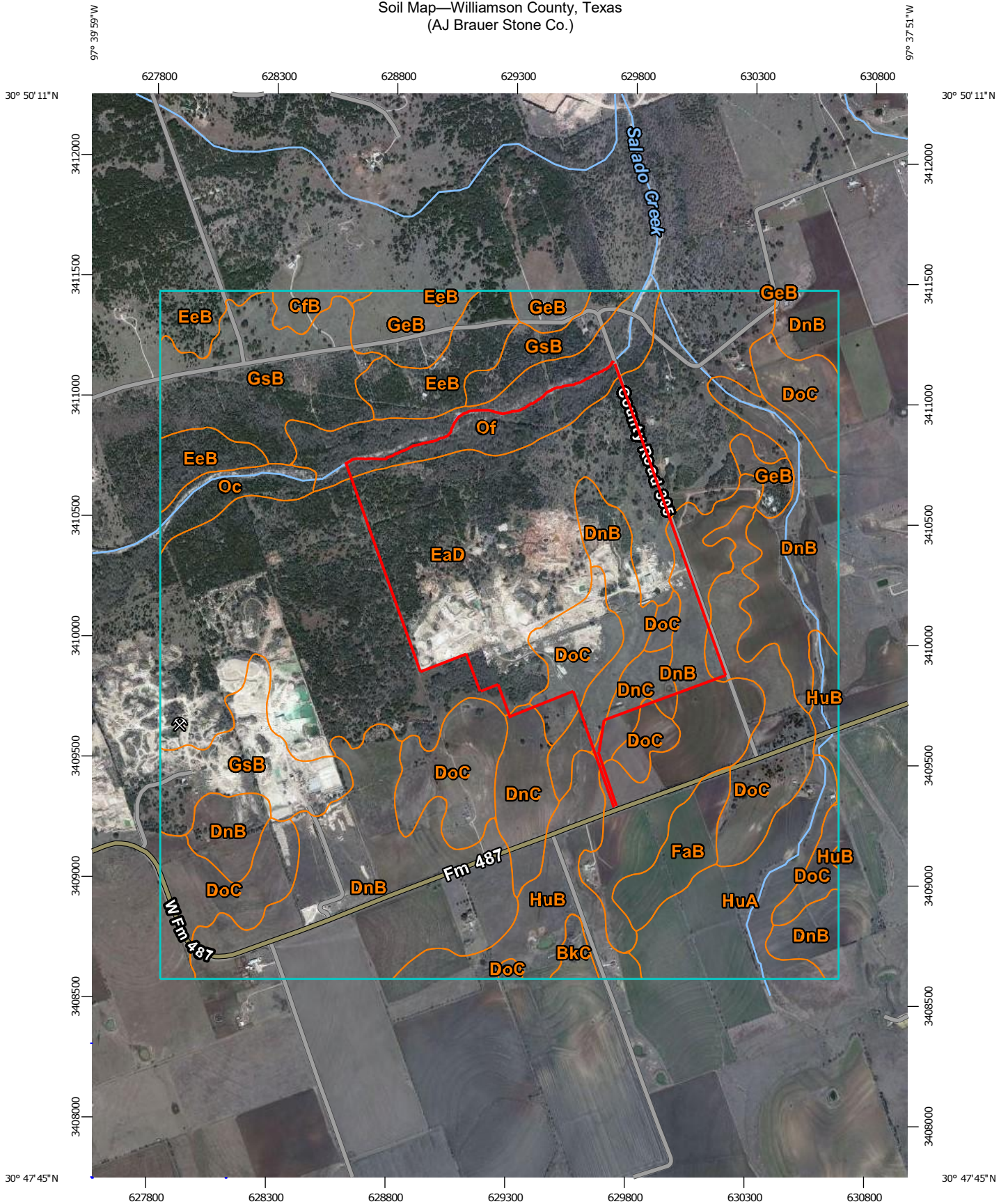
There was one (1) karst feature identified during the field inspection portion of the Geologic Assessment. A total of seven (7) features are listed on the following Geologic Assessment Table.

Geologic and man-made features are described below:

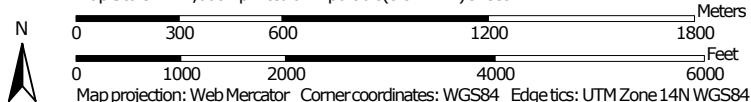
- One (1) small karst feature (cave “C-1”) was noted in a non-active area of the property. The feature measured approximately 12’ x 2’ x 13’ deep and appears to have fine-grained sediment and miscellaneous organic debris at the bottom. No standing water was noted at the time of the Geological Assessment. Quarry expansion is not planned for this area, however a 200’ buffer has been established around this feature.
- A total of three (3) water wells were noted to be present onsite. The water wells appeared to be well maintained and well-sealed at the surface.
- A number of old very shallow exploratory works were noted outside of the active quarry on the northern portion of the property. Old pits were too numerous to accurately count, and many pits were difficult to distinguish from one another. These shallow workings were not noted to have altered the natural topography significantly enough to affect this WPAP.
- Salado Creek runs along the northern portion of the site (outside of the active quarry area) and marks the northernmost property boundary of the site. An unnamed tributary runs north through the eastern portion of the site. Both Salado Creek and the unnamed tributary were dry at the time of the Geologic Assessment.

Overall, it was determined that the potential for rapid vertical migration of surface water into the Edwards Aquifer is low.

Soil Map—Williamson County, Texas
(AJ Brauer Stone Co.)




Map Scale: 1:22,000 if printed on A portrait (8.5" x 11") sheet.



Soil Map—Williamson County, Texas
(AJ Brauer Stone Co.)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot


 Closed

Depression  Gravel

Pit

 Gravelly

Spot  Landfill

 Lava Flow

 Marsh or

swamp  Mine or

Quarry

 Miscellaneous

Water  Perennial


Water

 Rock


Outcrop 

Saline Spot 

Sandy Spot

 Severely Eroded

Spot  Sinkhole

 Slide or


Slip  Sodic



Spot




**Natural Resources
Conservation Service**

MAP INFORMATION


 Spoil Area  Stony Spot

 Very Stony Spot  Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation


 Rails

 Interstate Highways  US Routes

 Major Roads  Local

Roads

Background

 Aerial Photography

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

12/2/2013
Page 2 of 3

Source of Map: Natural Resources
Conservation Service Web Soil Survey
URL:

<http://websoilsurvey.nrcs.usda.gov> Coordinate System:
Web Mercator
(EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area:

Willia
mson County, Texas
Survey Area Data:
Versio
n 11, Sep 21, 2012

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed:

Feb 18, 2010—Feb 13, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Williamson County, Texas (TX491)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BkC	Brackett clay loam, 1 to 5 percent slopes	7.4	0.4%
CfB	Crawford clay, 1 to 3 percent slopes	9.6	0.5%
DnB	Denton silty clay, 1 to 3 percent slopes	474.2	23.6%
DnC	Denton silty clay, 3 to 5 percent slopes	53.6	2.7%
DoC	Doss silty clay, 1 to 5 percent slopes	262.3	13.0%
EaD	Eckrant cobbly clay, 1 to 8 percent slopes	573.9	28.6%
EeB	Eckrant extremely stony clay, 0 to 3 percent slopes	77.5	3.9%
FaB	Fairlie clay, 1 to 2 percent slopes	31.8	1.6%
GeB	Georgetown clay loam, 0 to 2 percent slopes	52.0	2.6%
GsB	Georgetown stony clay loam, 1 to 3 percent slopes	185.7	9.2%
HuA	Houston Black clay, 0 to 1 percent slopes	84.8	4.2%
HuB	Houston Black clay, 1 to 3 percent slopes	82.7	4.1%
Oc	Oakalla soils, channeled	24.4	1.2%
Of	Oakalla soils, frequently flooded	90.4	4.5%
Totals for Area of Interest		2,010.2	100.0%

Map Unit Description

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. All the soils of a series have major horizons that are similar in composition, thickness, and arrangement. Soils of a given series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other soil reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the soil reports define some of the properties included in the map unit descriptions.

Williamson County, Texas

EaD—Eckrant cobbly clay, 1 to 8 percent slopes

Map Unit Setting

Elevation: 1,000 to 2,400 feet

Mean annual precipitation: 22 to 32 inches

Mean annual air temperature: 66 to 70 degrees F

Frost-free period: 210 to 240 days

Map Unit Composition

Eckrant and similar soils: 100 percent

Description of Eckrant

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Residuum weathered from limestone

Properties and qualities

Slope: 1 to 8 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 8 percent

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water capacity: Very low (about 1.0 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: Low Stony Hill 29-35" PZ (R081CY360TX)

Typical profile

0 to 4 inches: Cobbly clay

4 to 11 inches: Very cobbly clay

11 to 16 inches: Bedrock

Data Source Information

Soil Survey Area: Williamson County, Texas

Survey Area Data: Version 11, Sep 21, 2012

Williamson County, Texas

DoC—Doss silty clay, 1 to 5 percent slopes

Map Unit Setting

Elevation: 900 to 1,300 feet

Mean annual precipitation: 24 to 32 inches

Mean annual air temperature: 64 to 66 degrees F

Frost-free period: 230 to 240 days

Map Unit Composition

Doss and similar soils: 100 percent

Description of Doss

Setting

Landform: Plains

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from limestone

Properties and qualities

Slope: 1 to 5 percent

Depth to restrictive feature: 11 to 20 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 70 percent

Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water capacity: Very low (about 2.6 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability (nonirrigated): 4e

Hydrologic Soil Group: D

Ecological site: Shallow 29-35" PZ (R081CY574TX)

Typical profile

0 to 19 inches: Silty clay

19 to 36 inches: Bedrock

Data Source Information

Soil Survey Area: Williamson County, Texas

Survey Area Data: Version 11, Sep 21, 2012

Williamson County, Texas

DnC—Denton silty clay, 3 to 5 percent slopes

Map Unit Setting

Elevation: 700 to 1,500 feet

Mean annual precipitation: 28 to 34 inches

Mean annual air temperature: 64 to 68 degrees F

Frost-free period: 220 to 250 days

Map Unit Composition

Denton and similar soils: 100 percent

Description of Denton

Setting

Landform: Ridges

Landform position (two-dimensional): Backslope

Down-slope shape: Linear

Across-slope shape: Concave

Parent material: Clayey residuum weathered from limestone

Properties and qualities

Slope: 3 to 5 percent

Depth to restrictive feature: 22 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 80 percent

Available water capacity: Low (about 5.2 inches)

Interpretive groups

Farmland classification: All areas are prime farmland

Land capability (nonirrigated): 3e

Hydrologic Soil Group: D

Ecological site: Clay Loam 30-38" PZ (R085XY179TX)

Typical profile

0 to 18 inches: Silty clay

18 to 33 inches: Silty clay

33 to 36 inches: Gravelly silty clay loam

36 to 38 inches: Bedrock

Data Source Information

Soil Survey Area: Williamson County, Texas

Survey Area Data: Version 11, Sep 21, 2012

Williamson County, Texas

Of—Oakalla soils, frequently flooded

Map Unit Setting

Elevation: 850 to 2,000 feet

Mean annual precipitation: 24 to 34 inches

Mean annual air temperature: 64 to 70 degrees F

Frost-free period: 210 to 240 days

Map Unit Composition

Oakalla, pe >44, and similar soils: 85 percent

Minor components: 15 percent

Description of Oakalla, Pe >44

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loamy alluvium of holocene age derived from mixed sources

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Frequent

Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent

Available water capacity: Moderate (about 8.9 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability (nonirrigated): 5w

Hydrologic Soil Group: B

Ecological site: Loamy Bottomland 28-40" PZ (R086AY203TX)

Typical profile

0 to 16 inches: Silty clay loam

16 to 23 inches: Silty clay loam

23 to 60 inches: Silty clay loam

Minor Components

Unnamed, minor components

Percent of map unit: 14 percent

Unnamed, hydric minor components

Percent of map unit: 1 percent

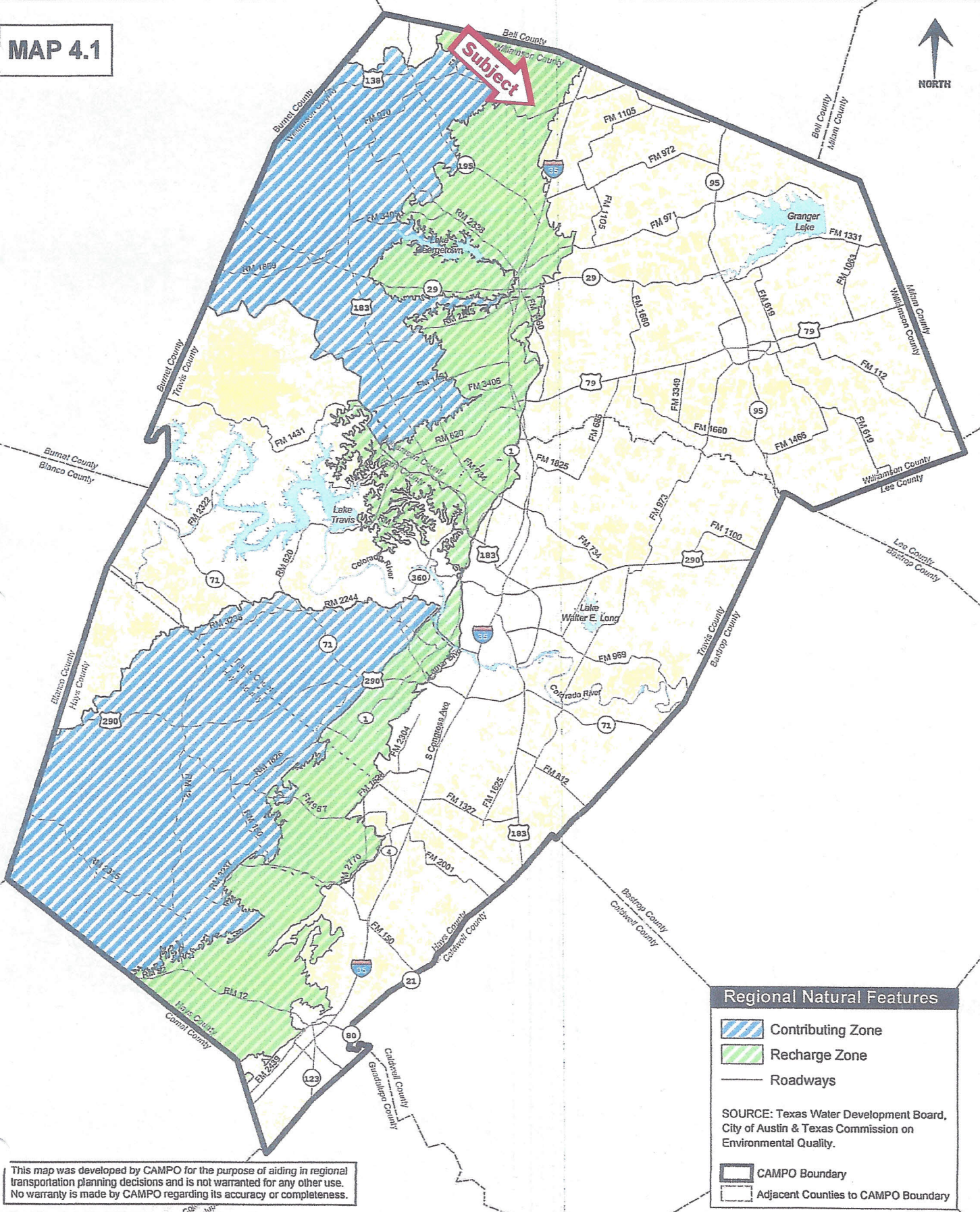
Landform: Sloughs

Data Source Information

Soil Survey Area: Williamson County, Texas
Survey Area Data: Version 11, Sep 21, 2012

Edwards Aquifer Recharge and Contributing Zones

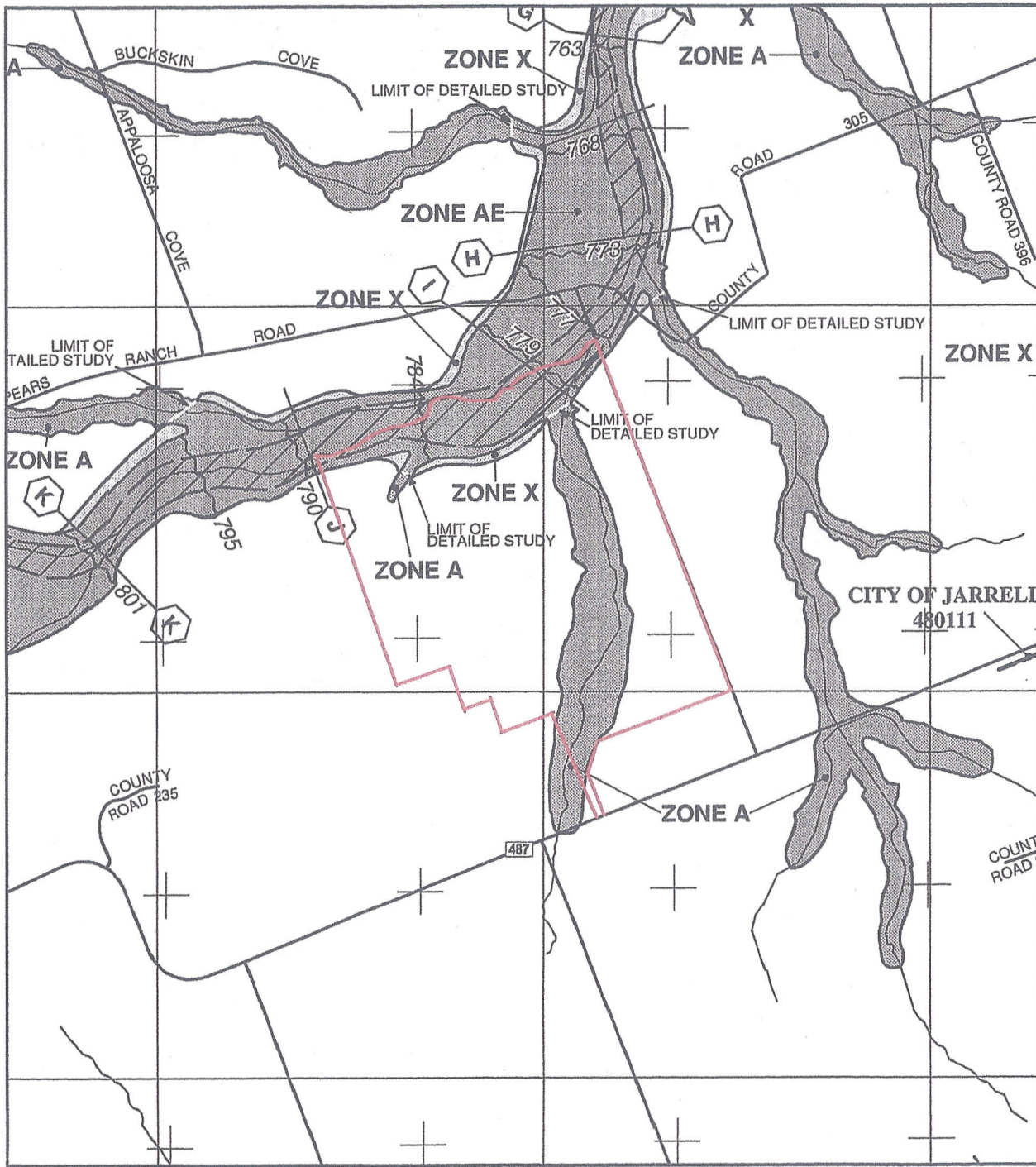
MAP 4.1



Regional Natural Features

- Contributing Zone
 - Recharge Zone
 - Roadways
 - CAMPO Boundary
 - Adjacent Counties to CAMPO Boundary
- SOURCE: Texas Water Development Board, City of Austin & Texas Commission on Environmental Quality.
- Interstate Highways
 - State Highways
 - US Highways
 - FM/CR Road

This map was developed by CAMPO for the purpose of aiding in regional transportation planning decisions and is not warranted for any other use. No warranty is made by CAMPO regarding its accuracy or completeness.



the Flood Insurance Study report for this jurisdiction.

Insurance is available in this community, contact your insurance agent or the National Flood Insurance Program at 1-800-638-6620.



MAP SCALE 1" = 2000'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0125E

FIRM
FLOOD INSURANCE RATE MAP
WILLIAMSON COUNTY,
TEXAS
AND INCORPORATED AREAS

PANEL 125 OF 750
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
WILLIAMSON COUNTY	481079	0125	E
JARRELL, CITY OF	480111	0125	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
48491C0125E
MAP REVISED
SEPTEMBER 26, 2008

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

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[GROUNDWATER \(/GROUNDWATER/\)](#)

[DROUGHT \(/DROUGHT/\)](#)

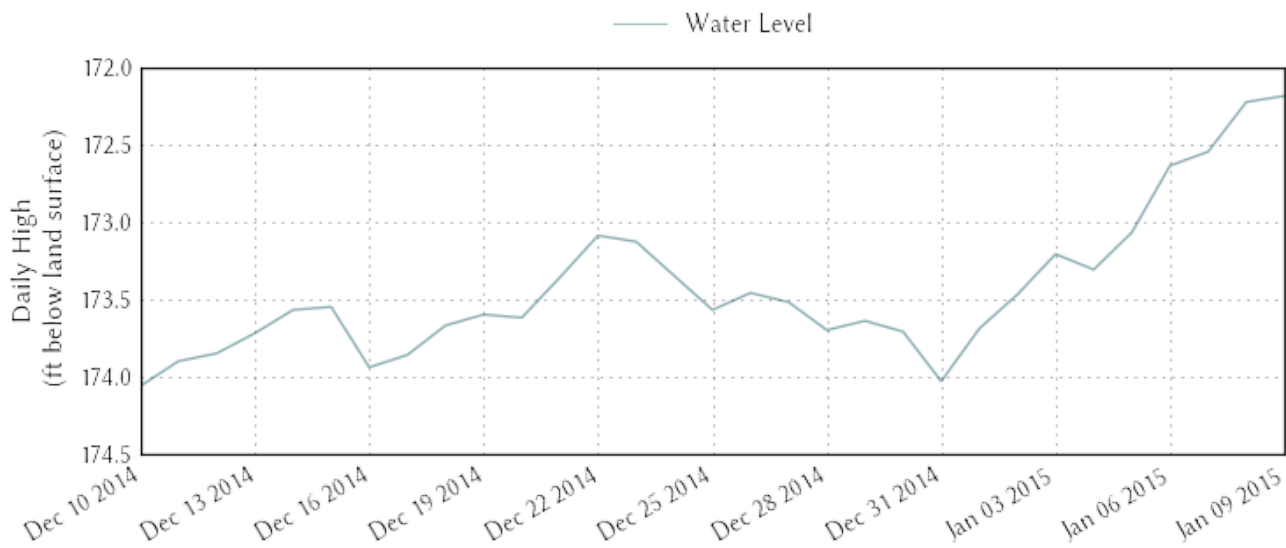
[STATEWIDE \(/GROUNDWATER/\)](#)

[DOWNLOAD DATA \(/GROUNDWATER/DOWNLOAD\)](#)

[FREQUENTLY ASKED QUESTIONS \(/GROUNDWATER/FAQ\)](#)

[ABOUT \(/GROUNDWATER/ABOUT\)](#)

State Well Number 5827305 is 172.19 feet below land surface on 2015-01-09



Well Information

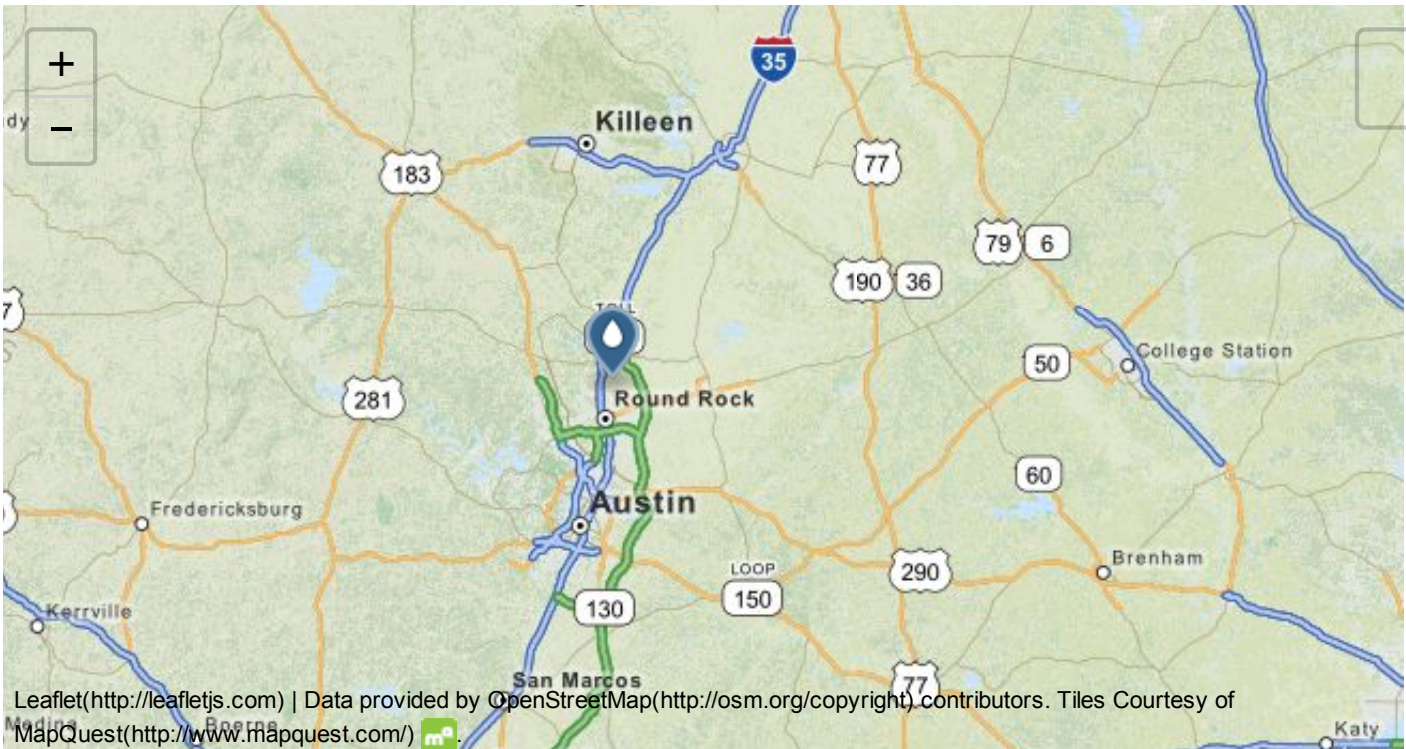
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County

Williamson

State Well Number	5827305
Status	Active
Period of Record	1993-02-05 to present
Entity/Cooperator	Texas Water Development Board
Aquifer	Edwards (Balcones Fault Zone)
Formation	Edwards and Associated Limestones
Aquifer Type	Confined
Well Depth (ft below land surface)	314
Instrument	Float & Weight
Transmission	Satellite
Groundwater Management Area	8
Estimated Land Elevation (ft above sea level)	840
Location (lat, long)	(30.59611, -97.661111)

Download Data [csv\(/groundwater/well/5827305.csv\)](csv(/groundwater/well/5827305.csv))
[json\(/groundwater/well/5827305.json\)](json(/groundwater/well/5827305.json))
[txt\(/groundwater/well/5827305.txt\)](txt(/groundwater/well/5827305.txt))



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Data Summary

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	Date	Daily High Water Level (ft below land surface)	Height Below Today (ft)
Today	2015-01-09	172.19	- n.a. -
Yesterday	2015-01-08	172.23	0.04
2 days ago	2015-01-07	172.55	0.36
1 week ago	2015-01-02	173.47	1.28
1 month ago	2014-12-09	- n.a. -	- n.a. -
3 months ago	2014-10-09	179.97	7.78
6 months ago	2014-07-09	- n.a. -	- n.a. -
1 year ago	2014-01-09	162.54	-9.65
oldest	1993-02-05	148.25	-23.94

Images of Well



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Site Policies (</groundwater/policies/>) | Texas Online (<http://www.texas.gov>) | Homeland Security
(<http://www.governor.texas.gov/homeland>) | TRAIL (<http://www2.tsl.state.tx.us/trail>) | Contact Us
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(<http://mixpanel.com/f/partner>)

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[GROUNDWATER \(/GROUNDWATER/\)](#)

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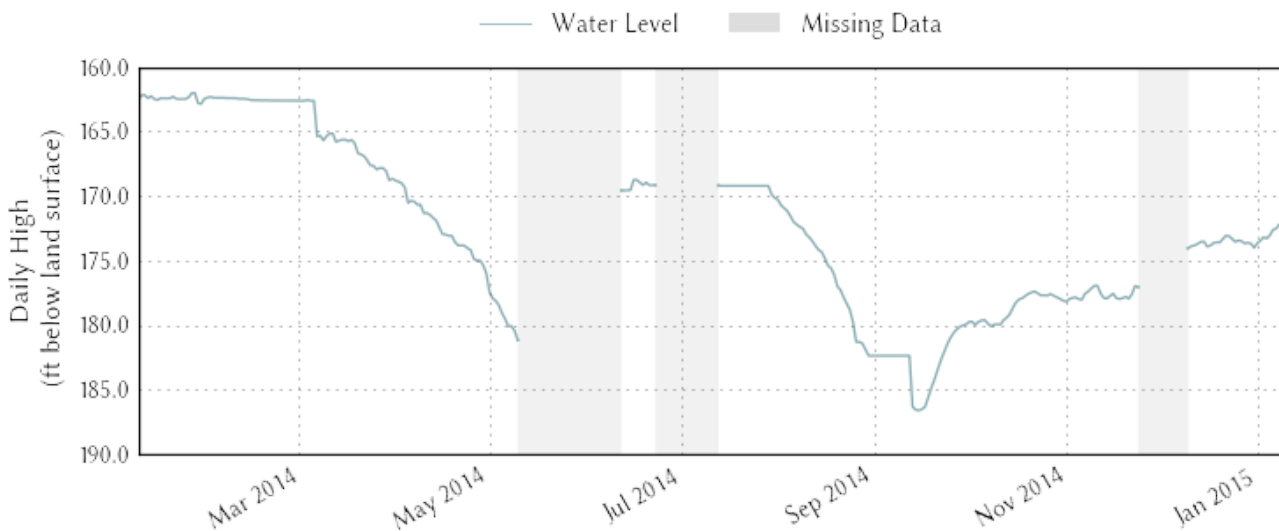
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[FREQUENTLY ASKED QUESTIONS \(/GROUNDWATER/FAQ\)](#)

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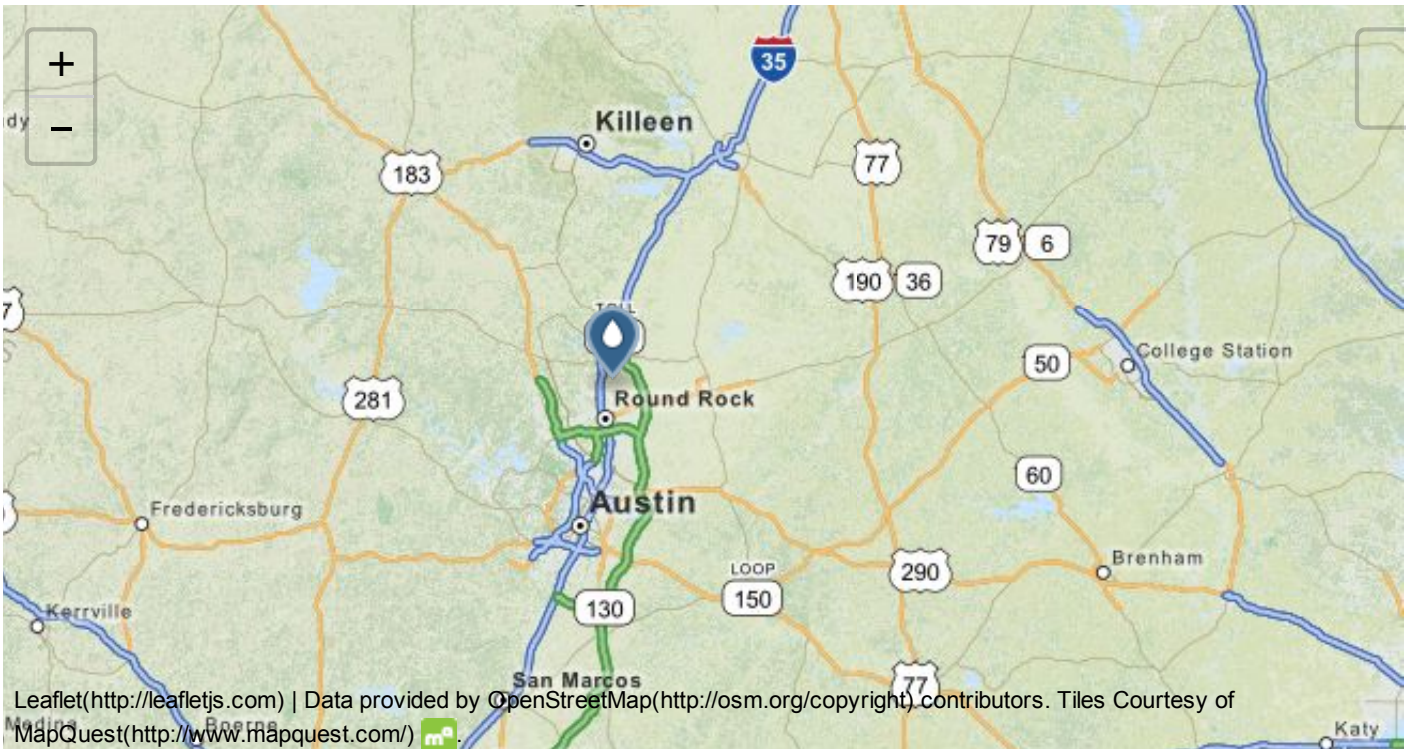
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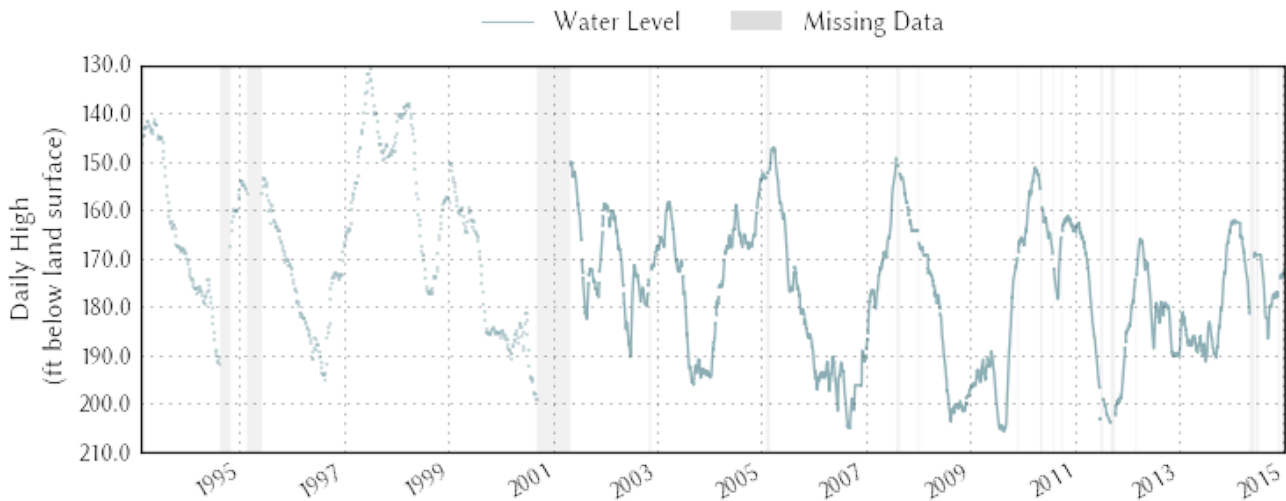
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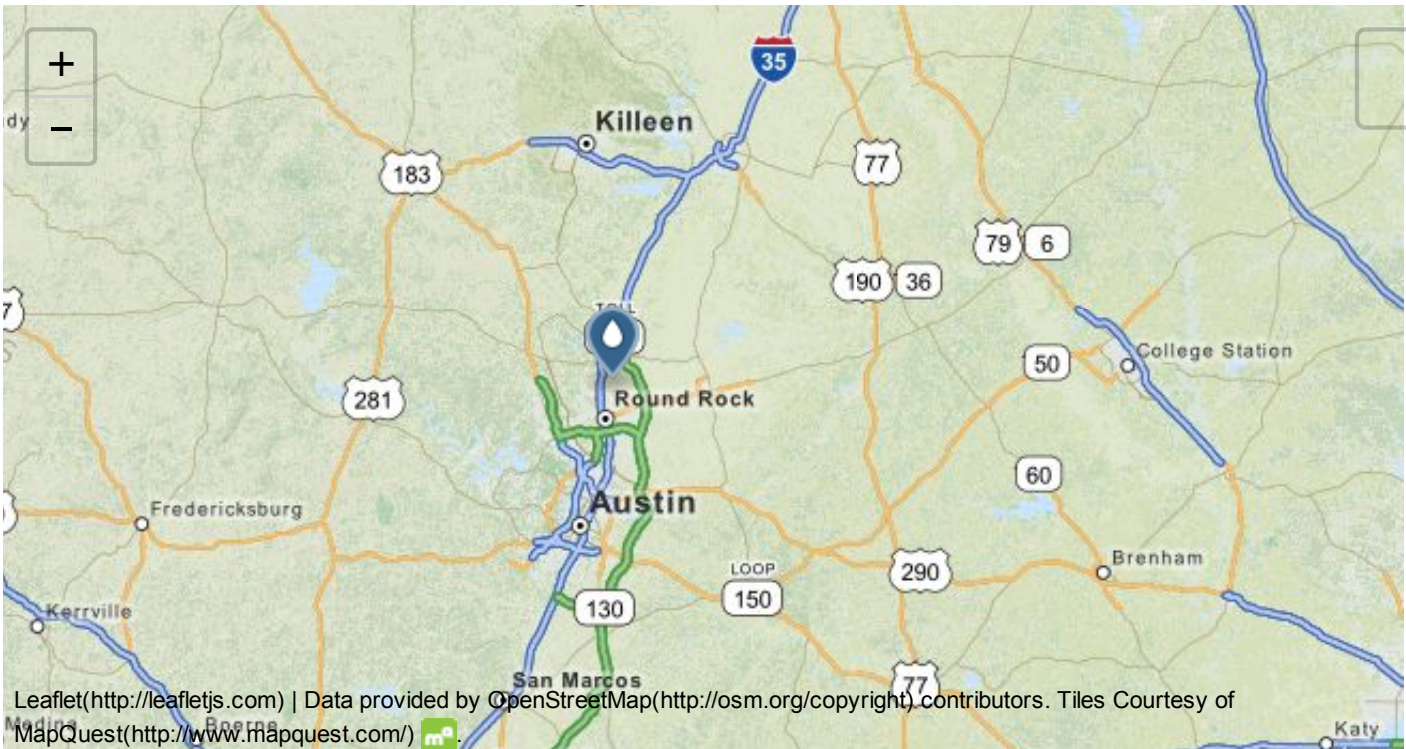
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(<http://mixpanel.com/f/partner>)



1. View of fabrication building located on southeast portion of AJ Brauer Stone property. This building is covered by a previously TCEQ-approved WPAP.



2. View looking south from fabrication building towards southeast portion of property. Topography is sloping towards the viewer.



3. View looking west from fabrication building towards western portion of property. Topography is sloping towards the north.



4. Interior view of fabrication building.



5. View of pond located to the west outside of fabrication building.



6. View of 500-gallon diesel fuel AST and two (2) 275-gallon motor oil ASTs located at northwest corner of fabrication building.



7. View looking west down northern quarry entrance/exit.



8. View looking south down CR305 in front of northern quarry entrance/exit.



9. View looking north down CR305 in front of northern quarry entrance/exit.



10. View of surface of CR305 at northern quarry entrance/exit. Note very little material is tracked from the property onto CR305.



11. View of rumble grates at northern quarry entrance/exit.



12. View of truck weigh station located at northern quarry entrance/exit.



13. View of settling pond (to be decommissioned) located to the west of the saw building located near the northern quarry entrance/exit.



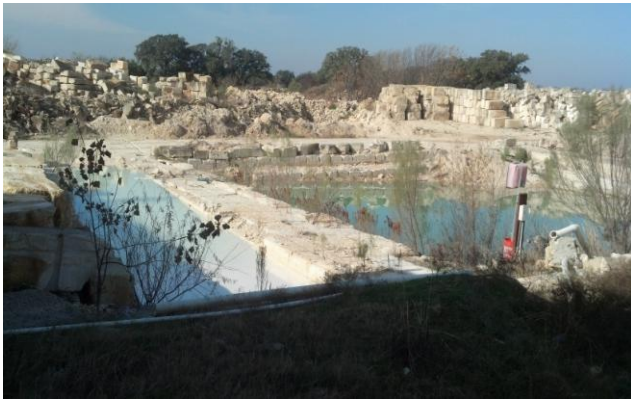
14. View of settling ponds (to be decommissioned) located to the west of the pond in Photo #13.



15. View of motor oil ASTs located in quarry maintenance area.



16. View of 600-gallon used oil AST located outside of maintenance area shed in Photo #15.



17. View of settling pond located behind saw shed to the west of the maintenance area.



18. Side view of 3,000-gallon diesel fuel double-walled AST located just to the west of the maintenance area.



19. Front view of 3,000-gallon diesel fuel double-walled AST located just to the west of the maintenance area.



20. View of saw hut located in west-central portion of property.



21. View PVC line located behind saw hut.



22. View of settling pond (to be decommissioned) located behind saw hut.



23. View standing near AST in Photo #10 looking to the southwest.



24. View of chop saw located near central portion of active quarry area.



25. View of quarried area located near western portion of property.



26. View of quarried area located near northwestern portion of property.



27. View of collapse feature (Geologic Assessment feature "S-1") located on northeastern portion of wooded area of property.



28. View of old shallow diggings in northern portion of property.



29. View of old shallow diggings in northern portion of property.



30. View of looking west down dirt road and utility line clearing in northern portion of property.



31. View of old shallow diggings in northern portion of property.



32. View of old shallow diggings in northern portion of property.



33. View of old shallow diggings in northern portion of property.



34. View of old shallow diggings in northern portion of property.

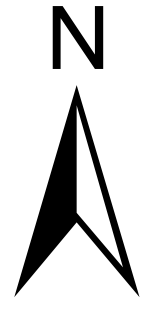


35. View looking north down dry creek bed running north-south near eastern portion of property.



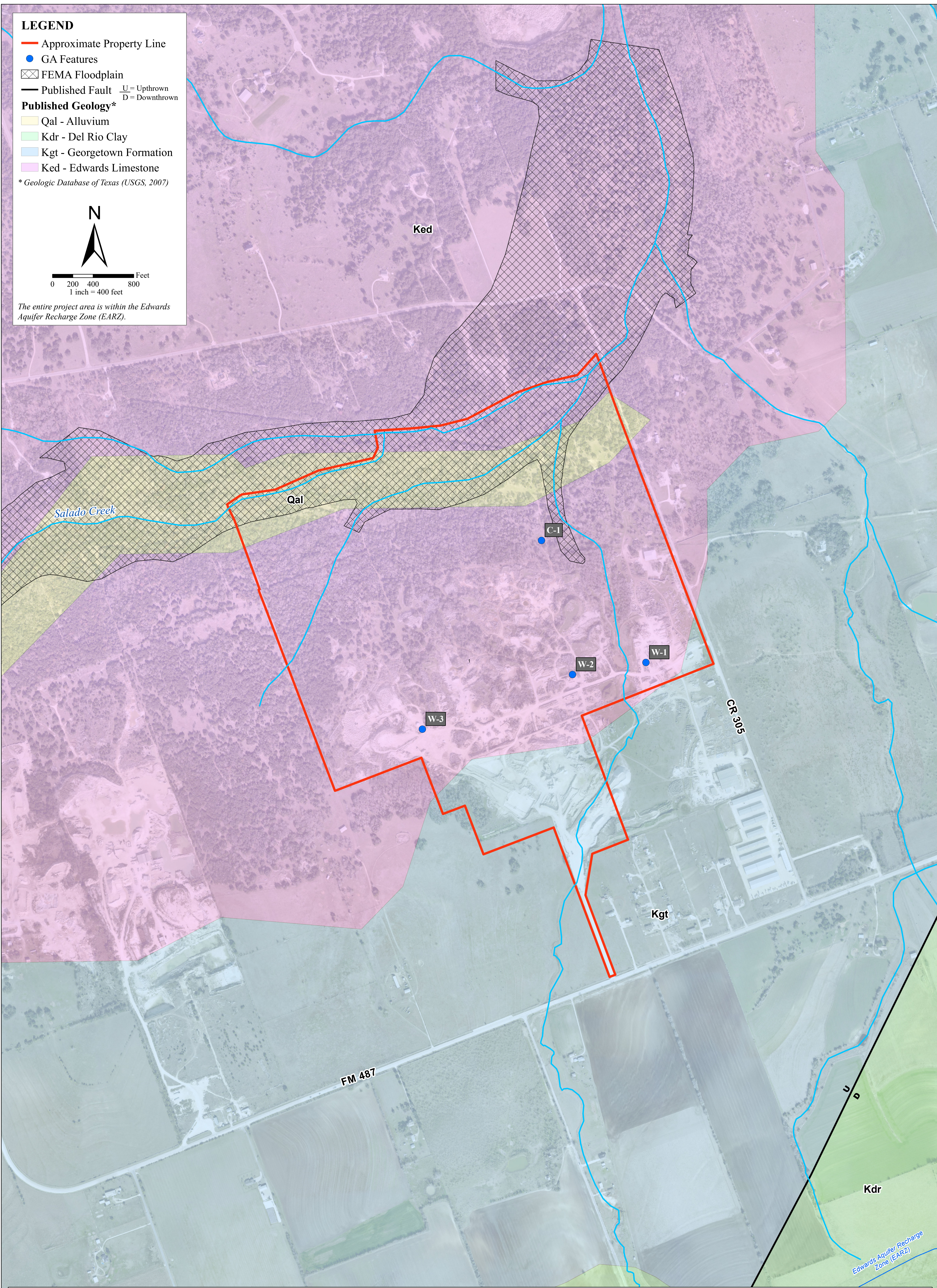
36. View looking south down dry creek bed running north-south near eastern portion of property.

- LEGEND**
- Approximate Property Line
 - GA Features
 - FEMA Floodplain
 - Published Fault U = Uplithrown
D = Downthrown
 - Published Geology***
 - Qal - Alluvium
 - Kdr - Del Rio Clay
 - Kgt - Georgetown Formation
 - Ked - Edwards Limestone
- * Geologic Database of Texas (USGS, 2007)



0 200 400 800 Feet
1 inch = 400 feet

The entire project area is within the Edwards Aquifer Recharge Zone (EARZ).



This map was re-created from data supplied to Westward from the existing Geologic Assessment signed by Randy Elder on 3/2/2016. This map is a supplement to the existing GA, and was created in order to meet the size/scale of current Edwards Aquifer WPAP submittal requirements.

SITE GEOLOGIC MAP

GEOLOGIC ASSESSMENT
AJ BRAUER STONE CO
JARRELL, WILLIAMSON COUNTY, TEXAS

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REV	DESCRIPTION	BY	DATE

WESTWARD
Environmental. Engineering. Natural Resources.
P.O. Box 2205, Boerne, Texas 78006
(830) 249-8284 Fax: (830) 249-0221
TBPE REG. NO.: F-4524
TBPG REG. NO.: 50112

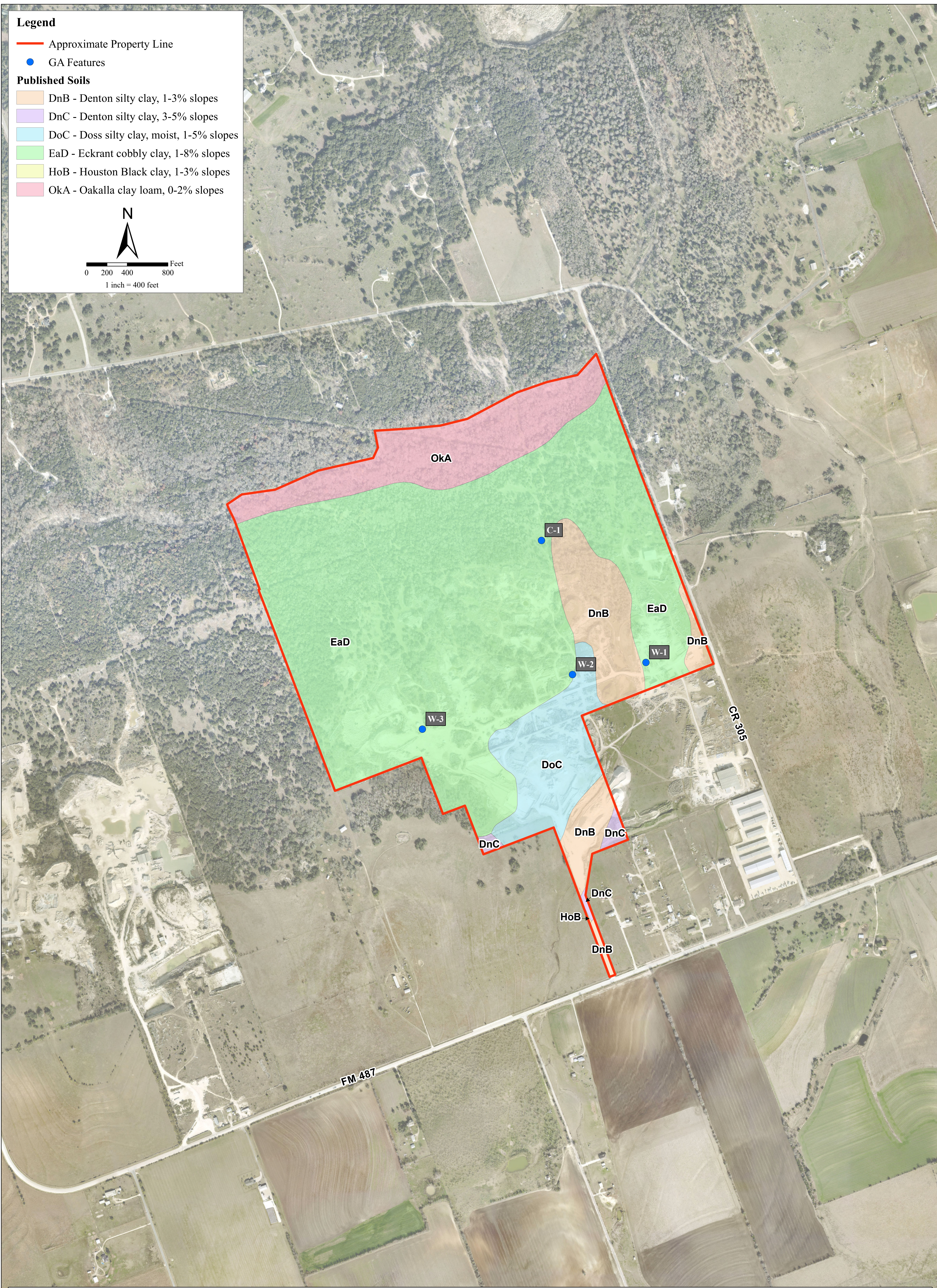
MATCH: ESB WORLD/MAGNEN	ISSUE DATE: 07/11/2023
DRAWN BY: JG	CHECKED BY: AK
SCALE: 1" = 400'	JOB NO.: 10940-004
SHEET NO.: 10	OF 02

Legend

- Approximate Property Line
- GA Features

Published Soils

- DnB - Denton silty clay, 1-3% slopes
- DnC - Denton silty clay, 3-5% slopes
- DoC - Doss silty clay, moist, 1-5% slopes
- EaD - Eckrant cobbly clay, 1-8% slopes
- HoB - Houston Black clay, 1-3% slopes
- OkA - Oakalla clay loam, 0-2% slopes



This map was re-created from data supplied to Westward from the existing Geologic Assessment signed by Randy Elder on 3/2/2016. This map is a supplement to the existing GA, and was created in order to meet the size/scale of current Edwards Aquifer WPAP submittal requirements.

SITE SOILS MAP

GEOLOGIC ASSESSMENT
AJ BRAUER STONE CO
JARRELL, WILLIAMSON COUNTY, TEXAS

THIS PRODUCT IS FOR INFORMATIONAL PURPOSES AND MAY NOT HAVE BEEN PREPARED FOR OR BE SUITABLE FOR LEGAL, ENGINEERING, OR SURVEYING PURPOSES. IT DOES NOT REPRESENT AN ON-THE-GROUND SURVEY AND REPRESENTS ONLY THE APPROXIMATE RELATIVE LOCATION OF PROPERTY BOUNDARIES.

REV	DESCRIPTION	BY	DATE

WESTWARD
Environmental Engineering, Natural Resources.
P.O. Box 2205, Boerne, Texas 78006
(830) 249-8284 Fax: (830) 249-0221
TBPE REG. NO.: F-4524
TBPG REG. NO.: 50112

ISSUE DATE: 07/17/2023
DRAWN BY: JG
CHECKED BY: AK
SCALE: 1" = 400'
JOB NO.: 10940-004
SHEET NO.: 02
OF 02

Modification of a Previously Approved Plan

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Transition Zone and Relating to 30 TAC 213.4(j), Effective June 1, 1999

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

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

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This request for a **Modification of a Previously Approved Plan** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Andrea Kidd, P.E.

TX License No. 132541 | TX Firm No. 4524

Date: _____

Signature of Engineer:

Andrea Kidd



Project Information

1. Current Regulated Entity Name: AJ Brauer Stone 305 Pit
Original Regulated Entity Name: AJ Brauer Stone 305 Pit
Regulated Entity Number(s) (RN): 106619265
Edwards Aquifer Protection Program ID Number(s): 11003429
 The applicant has not changed and the Customer Number (CN) is: 604605089
 The applicant or Regulated Entity has changed. A new Core Data Form has been provided.
2. **Attachment A: Original Approval Letter and Approved Modification Letters.** A copy of the original approval letter and copies of any modification approval letters are attached.

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

WPAP Modification	Approved Project	Previous Modification	Proposed Modification
Summary			
Acres	<u>317</u>	<u>317</u>	<u>317</u>
Type of Development	<u>Quarry</u>	<u>Quarry</u>	<u>Quarry</u>
Number of Residential Lots	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Impervious Cover (acres)	<u>9.38</u>	<u>10.48</u>	<u>10.48</u>
Impervious Cover (%)	<u>2.96</u>	<u>3.31</u>	<u>3.31</u>
Permanent BMPs	<u>ponds</u>	<u>Ponds, swale</u>	<u>Ponds, swale</u>
Other	_____	_____	<u>increase quarrying extents</u>

SCS Modification	Approved Project	Proposed Modification
Summary		
Linear Feet	_____	_____
Pipe Diameter	_____	_____
Other	_____	_____

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

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

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

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

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

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

**A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit**

Modification to Previous Plan Attachment A

Original Approval Letter and Approved Modification Letters

Please see attached Approval Letter dated August 3, 2018 (EAPP ID 11000985) and Modification Approval Letter dated February 17, 2023 (EAPP ID 11003429).

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Stephanie Bergeron Perdue, *Interim Executive Director*



2.11 COPY

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 3, 2018

Mr. Jay Brauer
AJ Brauer Stone, Inc.
4386 County Road 305
Jarrell, Texas 76537

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: A J Brauer Stone 305 Pit; Located at 4386 County Road 305;
Williamson County, Texas

TYPE OF PLAN: Request for Approval of a Water Pollution Abatement Plan (WPAP) and
Aboveground Storage Tank Facility (AST) Plan; 30 Texas Administrative Code (TAC)
Chapter 213 Edwards Aquifer

Edwards Aquifer Protection Program ID Nos. 11000985 & 11000986; Regulated Entity
No. RN106619265

Dear Mr. Brauer:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP Application for the above-referenced project submitted to the Austin Region Office by Westward Environmental, Inc. on behalf of AJ Brauer Stone, Inc. on January 12, 2018. Final review of the WPAP & AST applications were completed after additional material was received on May 11, July 9 & August 2, 2018. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

Mr. Jay Brauer
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August 3, 2018

BACKGROUND

The A J Brauer Stone Pit 305 is an existing, active limestone rock quarry located on approximately 317 acres on six (6) tracts of land. The WPAP and AST applications seek to obtain after-the-fact approval for regulated activities on the 317-acre facility and for new proposed regulated activities.

WPAP PROJECT DESCRIPTION

The existing facility consists of dimension limestone mining operations, stone storage areas/stockpiles, fueling and maintenance area, roads, parking, utilities and appurtenances. The impervious cover is 9.38 acres (2.96 percent). Project wastewater will be disposed of by conveyance to the existing on-site sewage facility and portable toilets located on the site. The application includes an approximately 25.5-acre expansion of the quarry to a depth of no greater than 40 feet below native ground surface elevation. Stream buffers are established from the centerline of the onsite tributaries to Salado Creek and Salado Creek.

AST PROJECT DESCRIPTION

The existing facility contains four (4) regulated AST's consisting of one (1) 3,000-gallon double-walled steel AST containing diesel fuel and three (3) 275-gallon steel AST's containing new motor oil.

Secondary containment area A contains two (2) of the new motor oil AST's and has a containment capacity of 1,059 gallons (825 gallons are required). Secondary containment area B contains one (1) of the new motor oil AST's and has a containment capacity of 552 gallons (412.5 gallons are required). A fueling pad will be constructed at the diesel fuel AST to contain any spillage that may occur during fueling operations.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a wet basin water quality pond and engineered vegetative filter strip (VFS), designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices (2005) and the Lower Colorado River Authority (LCRA) Highland Lakes Watershed Ordinance: Water Quality Management Technical Manual, respectively, will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 8,164 pounds of TSS generated from the 9.39 acres of impervious cover.

The proposed wet basin will have a contributing drainage area of 8.35 acres with 6.37 acres of impervious cover. The basin is designed to remove 6,425 pounds of TSS annually, will have a permanent pool volume of 95,396 ft³ (62,827 ft³ are required) and a volume of 155,509 ft³ (115,183 ft³ are required) at the water quality elevation. Approximately 1.01 acres of impervious cover will bypass the basin and the basin is designed to account for the 879 pounds of TSS generated by the bypass impervious cover.

Mr. Jay Brauer
Page 3
August 3, 2018

The VFS will have a contributing drainage area of 2.45 acres with 2.00 acres of impervious cover. The VFS will have a length of 400 feet, width of 40 feet, slope of approximately 1.5% and an area of 14,746 ft² (14,728 ft² are required). The VFS is credited with removal of 1,740 pounds of TSS annually. Sheet flow shall be maintained along the entire length of the VFS and vegetation cover shall be maintained at 80 percent or greater. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

GEOLOGY

According to the geologic assessment report included with the application, the site is underlain by the Edwards and Georgetown Formations. One (1) sensitive geologic feature was identified in the report and referred to as Feature C-1. C-1 is a cave that is approximately 12-feet wide by 2-feet long by 13-feet deep. Representatives of the Austin Region Office have conducted multiple site assessments during previous reviews of applications for this site. The assessments conclude that the site is generally as described in the application and report.

A permanent 200-foot diameter natural buffer is established around C-1. Regulated activities (such as construction or soil disturbing activities) shall not take place within the natural buffer.

SPECIAL CONDITIONS

- I. This approval authorizes the construction of a vegetative filter strip designed in accordance with LCRA guidance. Henceforth, BMP guidance and design criteria not issued by the TCEQ will not be considered unless the proposed BMP 1) is required and will be reviewed by the other jurisdiction and 2) the TCEQ determines the guidance and design criteria as providing equivalent water quality protection. TCEQ acceptance of other guidance is determined on a case-by-case basis and TCEQ is not required to accept other guidance.
- II. The permanent BMP (wet basin water quality pond and engineered vegetative filter strip) shall be operational prior and Standard Condition No. 18 of this letter satisfied no later than six (6) months from the date of this letter.
- III. All sediment and/or media removed from the permanent BMPs during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.
- IV. Stream buffers are established from the centerline of the onsite tributaries to Salado Creek and Salado Creek. Regulated activities shall not be conducted in the buffers except as shown in the approved WPAP.
- V. This approval letter is being issued for regulated activities (as defined in Chapter 213) and for best management practices presented in the application. This approval does not constitute a water right permit or authorization from the TCEQ Dam Safety Program. Failure to obtain all necessary authorizations could result in enforcement actions.

Mr. Jay Brauer
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August 3, 2018

STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

Prior to Commencement of Construction:

4. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the Austin Region Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved WPAP is enclosed.
5. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
6. Modification to the activities described in the referenced WPAP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
7. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Region Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.
8. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved WPAP, must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

Mr. Jay Brauer
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August 3, 2018

9. All borings with depths greater than or equal to 20 feet must be plugged with non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the Austin Region Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.
13. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
15. Discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.

Mr. Jay Brauer
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August 3, 2018

16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the Austin Region Office within 30 days of site completion.
19. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through Austin Region Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
21. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the Austin Region Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

Mr. Jay Brauer
Page 7
August 3, 2018

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Mr. Zach Lanfear of the Edwards Aquifer Protection Program of the Austin Region Office at (512) 339-2929.

Sincerely,



Robert Sadlier
Water Section Team Leader
Austin Region Office
Texas Commission on Environmental Quality

RCS/zcl

Enclosure: Deed Recordation Affidavit, Form TCEQ-0625
Change in Responsibility for Maintenance of Permanent BMPs, Form TCEQ-10263

cc: Mr. Terron Evertson, P.E., County Engineer, Williamson County
The Honorable Dan A. Gattis, County Judge, Williamson County
Mr. Gary D. Nicholls, P.E., Westward Environmental, Inc., P.O. Box 2205, Boerne, TX 78006
Mr. John H. Teel, M.S., R.S., Executive Director, Williamson County & Cities Health District

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 17, 2023

Mr. Jay Brauer
A.J. Brauer Stone, Inc.
4386 CR 305
Jarrell, Texas 76537

Re: Edwards Aquifer, Williamson County

NAME OF PROJECT: A J Brauer Stone 305 Pit; Located at 4386 County Road 305; Jarrell, Texas

TYPE OF PLAN: Request for Modification of an Approved Water Pollution Abatement Plan (WPAP); 30 Texas Administrative Code (TAC) Chapter 213 Edwards Aquifer

Regulated Entity No. RN106619265; Additional ID No. 11003429

Dear Mr. Brauer:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the WPAP application for the above-referenced project submitted to the Austin Regional Office by Westward Environmental, Inc. on behalf of A.J. Brauer Stone, Inc. on December 23, 2022. Final review of the WPAP was completed after additional material was received on February 16, 2023. As presented to the TCEQ, the Temporary and Permanent Best Management Practices (BMPs) were selected and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed, and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. *This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.*

BACKGROUND

The original WPAP (Additional ID No. 11000985) was approved by letter dated August 3, 2018.

PROJECT DESCRIPTION

This modification for the 317-acre site proposes to expand the disturbed area with the construction of a road, approximately 1.1 acres, in the southern portion of the property, accessing FM 487. No other changes are proposed. The new overall impervious cover on site shall be 10.48 acres (3.31 percent). No wastewater will be generated by this current project.

PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, the road shall be accompanied by a parallel drainage swale. The road and swale are designed so that runoff from the road shall flow back to the quarry pit. As runoff from this additional impervious cover does not discharge off-site or to surface waters, no additional measures are required.

GEOLOGY

According to the geologic assessment included with the application, the site is underlain by the Edwards and Georgetown Formations. One (1) sensitive geologic feature (C-1) was identified in the report and permanent 200-foot diameter natural buffer was established around the feature in the original WPAP. No features were identified within the area of the activities proposed in this current submittal. The site assessment conducted on February 14, 2022, revealed the site was generally as described in the geologic assessment.

SPECIAL CONDITIONS

- I. This modification is subject to all Special and Standard Conditions listed in the WPAP approval letter dated August 3, 2018.
- II. The constructed access road, as observed during the site assessment, did not meet the design proposed in the modification application. As acknowledged in correspondence dated February 16, 2023, the roadway shall be regraded and reconstructed to meet the design set forth in the modification application. The regrading and reconstruction of the road and construction of the swale must be completed prior to use of the new road. A Texas Licensed Professional Engineer must certify in writing that the access road and drainage swale were constructed as designed within 30 days of project completion.

STANDARD CONDITIONS

1. Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
3. In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

Prior to Commencement of Construction:

4. Within 60 days of receiving written approval of an Edwards Aquifer Protection Plan, the applicant must submit to the Austin Regional Office, proof of recordation of notice in the county deed records, with the volume and page number(s) of the county deed records of the county in which the property is located. A description of the property boundaries shall be included in the deed recordation in the county deed records. A suggested form (Deed Recordation Affidavit, TCEQ-0625) that you may use to deed record the approved WPAP is enclosed.
5. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved WPAP and this notice of approval shall be maintained at the project location until all regulated activities are completed.
6. Modification to the activities described in the referenced WPAP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
7. The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the date on which the regulated activity will commence, the name of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person. The executive director will use the notification to determine if the approved plan is eligible for an extension.
8. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved WPAP, must be installed prior to construction, and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.
9. All borings with depths greater than or equal to 20 feet must be plugged with non-shrink grout from the bottom of the hole to within three (3) feet of the surface. The remainder of the hole must be backfilled with cuttings from the boring. All borings less than 20 feet must be backfilled with cuttings from the boring. All borings must be backfilled or plugged within four (4) days of completion of the drilling operation. Voids may be filled with gravel.

During Construction:

10. During the course of regulated activities related to this project, the applicant or agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
11. This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 6, above.
12. If any sensitive feature (caves, solution cavities, sink holes, etc.) is discovered during construction, all regulated activities near the feature must be suspended immediately. The applicant or his agent must immediately notify the San Antonio Regional Office of the discovery of the feature. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature

and the aquifer from potentially adverse impacts to water quality. The plan must be sealed, signed, and dated by a Texas Licensed Professional Engineer.

13. All water wells, including injection, dewatering, and monitoring wells must be in compliance with the requirements of the Texas Department of Licensing and Regulation under Title 16 TAC Chapter 76 (relating to Water Well Drillers and Pump Installers) and all other locally applicable rules, as appropriate.
14. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.
15. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
16. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
17. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

18. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the Austin Regional Office within 30 days of site completion.
19. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. The regulated entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
20. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Edwards Aquifer protection plan. If the new owner intends to commence any new regulated activity on the site, a new Edwards Aquifer protection plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
21. An Edwards Aquifer protection plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Edwards Aquifer protection plan must be submitted to the Austin Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.

Mr. Jay Brauer
Page 5
February 17, 2023

22. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929

Sincerely,



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

LIB/jv

Enclosures: Deed Recordation Affidavit, Form TCEQ-0625

cc: Ms. Andrea Kidd, P.E., Westward Environmental, Inc.

Deed Recordation Affidavit
Edwards Aquifer Protection Plan

THE STATE OF TEXAS §

County of _____ §

BEFORE ME, the undersigned authority, on this day personally appeared _____ who, being duly sworn by me, deposes and says:

- (1) That my name is _____ and that I own the real property described below.
- (2) That said real property is subject to an EDWARDS AQUIFER PROTECTION PLAN which was required under the 30 Texas Administrative Code (TAC) Chapter 213.
- (3) That the EDWARDS AQUIFER PROTECTION PLAN for said real property was approved by the Texas Commission on Environmental Quality (TCEQ) on _____.

A copy of the letter of approval from the TCEQ is attached to this affidavit as Exhibit A and is incorporated herein by reference.

- (4) The said real property is located in _____ County, Texas, and the legal description of the property is as follows:

LANDOWNER-AFFIANT

SWORN AND SUBSCRIBED TO before me, on this __ day of _____, _____.

NOTARY PUBLIC

THE STATE OF _____ §

County of _____ §

BEFORE ME, the undersigned authority, on this day personally appeared _____ 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 __ day of _____, _____.

NOTARY PUBLIC

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: _____

**A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit**

Modification of a Previously Approved Plan (TCEQ-0590)

Attachment B

Narrative of Proposed Modification

For this modification, A.J. Brauer Stone, Inc. proposes to extend the future limits of disturbance northward to allow for quarrying, as needed, up to the permanent natural buffer areas around the 100-year floodplain and onsite portions of the Salado Creek. The entire site acreage (317 acres) has already been included in previous WPAP authorizations; no new acreage is being added to this plan, however the demarcation of the limits of disturbance will be moved further north than previously represented. There will be no physical or operational modification of any existing water pollution abatement structures and there will be no change in the nature or character of the currently authorized regulated activities. Based on the procedure outlined in RG-500, the quarry floor should be located a minimum of 25-feet above the estimated high-water level at the quarry, therefore the maximum quarry pit-floor depth shall not be excavated below an elevation of 660 feet amsl. If road crossings are needed over the onsite streams, these will be constructed in accordance with the Army Corps Nationwide Permit 14.

There are no proposed changes in other regulated activities described at this site in the originally approved WPAP Plan or its subsequent WPAP Modification. There are no proposed changes to the previously approved strategy for operations near sensitive areas. There are no proposed changes to other areas of the site; quarry operations will continue as historically performed. Site activities include typical limestone quarry operations, including but not limited to: blasting, excavation, rock crushing, rock cutting, transporting rock and cut stone, and stockpiling rock. A portable rock crusher is proposed to be added to the pit; however this activity does not alter the previously approved disturbed areas, nor increase impervious cover, nor change the typical activities that have been occurring at this quarry.

Trash generated on-site will continue to be disposed of in a dumpster and handled by a licensed waste service. Portable toilets and/or sewage pump-out tanks will be utilized on-site and will be pumped out and disposed of by a third-party hauler. There will be an earthen berm around the portable toilets.

Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b), Effective June 1, 1999

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

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

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Water Pollution Abatement Plan Application Form** is hereby submitted for TCEQ review and Executive Director approval. The form was prepared by:

Print Name of Customer/Agent: Andrea Kidd, P.E.

TX License No. 132541 | TX Firm No. 4524

Date: _____

Signature of Engineer :



8/2/2023

Regulated Entity Name: A.J. Brauer Stone 305 Pit

Regulated Entity Information

1. The type of project is:

- Residential: Number of Lots: _____
- Residential: Number of Living Unit Equivalents: _____
- Commercial
- Industrial
- Other: _____

2. Total site acreage (size of property): 317

3. Estimated projected population: 50

4. The amount and type of impervious cover expected after construction are shown below:

Article I. Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops		÷ 43,560 =	
Parking		÷ 43,560 =	
Other paved surfaces (incl. Plant and shops)	456,509	÷ 43,560 =	10.48
Total Impervious Cover	456,509	÷ 43,560 =	10.48

Total Impervious Cover 10.48 ÷ Total Acreage 317 X 100 = 3.3% Impervious Cover

5. **Attachment A - Factors Affecting Surface Water Quality.** A detailed description of all factors that could affect surface water and groundwater quality that addresses ultimate land use is attached.
6. Only inert materials as defined by 30 TAC §330.2 will be used as fill material.

For Road Projects Only

(a) Complete questions 7 - 12 if this application is exclusively for a road project.

7. Type of project:

- TXDOT road project.
- County road or roads built to county specifications.
- City thoroughfare or roads to be dedicated to a municipality.
- Street or road providing access to private driveways.

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

- Concrete
- Asphaltic concrete pavement
- Other: _____

9. Length of Right of Way (R.O.W.): _____ feet.

Width of R.O.W.: _____ feet.

L x W = _____ Ft² ÷ 43,560 Ft²/Acre = _____ acres.

10. Length of pavement area: _____ feet.

Width of pavement area: _____ feet.

L x W = _____ Ft² ÷ 43,560 Ft²/Acre = _____ acres.

Pavement area _____ acres ÷ R.O.W. area _____ acres x 100 = _____% impervious cover.

11. A rest stop will be included in this project.

A rest stop will not be included in this project.

12. Maintenance and repair of existing roadways that do not require approval from the TCEQ Executive Director. Modifications to existing roadways such as widening roads/adding shoulders totaling more than one-half (1/2) the width of one (1) existing lane require prior approval from the TCEQ.

Stormwater to be generated by the Proposed Project

13. **Attachment B - Volume and Character of Stormwater.** A detailed description of the volume (quantity) and character (quality) of the stormwater runoff which is expected to occur from the proposed project is attached. The estimates of stormwater runoff quality and quantity are based on the area and type of impervious cover. Include the runoff coefficient of the site for both pre-construction and post-construction conditions.
Note: no proposed changes to volume and character of stormwater.

Wastewater to be generated by the Proposed Project

14. The character and volume of wastewater is shown below:

_____ % Domestic	_____ Gallons/day
_____ % Industrial	_____ Gallons/day
_____ % Commingled	_____ Gallons/day

TOTAL gallons/day 0 (No additional wastewater generated from this modification)

15. Wastewater will be disposed of by:

- On-Site Sewage Facility (OSSF/Septic Tank): **N/A**
- Attachment C - Suitability Letter from Authorized Agent.** An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.
- Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.
- Sewage Collection System (Sewer Lines): **N/A**
- Private service laterals from the wastewater generating facilities will be connected to an existing SCS.
- Private service laterals from the wastewater generating facilities will be connected to a proposed SCS.
- The SCS was previously submitted on _____.
- The SCS was submitted with this application.
- The SCS will be submitted at a later date. The owner is aware that the SCS may not be installed prior to Executive Director approval.

The sewage collection system will convey the wastewater to the _____ (name) Treatment Plant. The treatment facility is:

Existing.

Proposed.

16. All private service laterals will be inspected as required in 30 TAC §213.5.

Site Plan Requirements

(b) Items 17 – 28 must be included on the Site Plan.

17. The Site Plan must have a minimum scale of 1" = 400'.

Site Plan Scale: 1" = 400'.

18. 100-year floodplain boundaries:

Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.

No part of the project site is located within the 100-year floodplain.

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA FIRM 48491C0125E eff. 9/26/2008

19. The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, open space, etc. are shown on the plan.

The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, open space, etc. are shown on the site plan.

20. All known wells (oil, water, unplugged, capped and/or abandoned, test holes, etc.):

There are 3 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 §76.

There are no wells or test holes of any kind known to exist on the project site.

21. Geologic or manmade features which are on the site:

All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.

No sensitive geologic or manmade features were identified in the Geologic Assessment.

Attachment D - Exception to the Required Geologic Assessment. A request and justification for an exception to a portion of the Geologic Assessment is attached.

- 22. The drainage patterns and approximate slopes anticipated after major grading activities.
- 23. Areas of soil disturbance and areas which will not be disturbed.
- 24. Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 25. Locations where soil stabilization practices are expected to occur.
- 26. Surface waters (including wetlands).
 N/A
- 27. Locations where stormwater discharges to surface water or sensitive features are to occur.
 There will be no discharges to surface water or sensitive features.
- 28. Legal boundaries of the site are shown.

Administrative Information

- 29. 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.
- 30. Any modification of this WPAP will require Executive Director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

**A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit**

**WPAP (TCEQ-0584)
Attachment A**

Factors Affecting Water Quality

AJ Brauer Stone Inc. operates a limestone quarry. Continued operation of the site is expected to have no impact to surface and groundwater quality. The primary factor which potentially affects water quality at the site is sediment entrained in stormwater runoff over quarried areas. More remote factors include fuels and lubricants from vehicles and equipment and trash/debris items. Any spills or leaks will be cleaned up immediately and will be disposed of properly. A trash receptacle will be placed on-site for use by employees and visitors.

Impervious cover will not increase as a result of this modification.

**WPAP (TCEQ-0584)
Attachment B**

Volume and Character of Stormwater

There are no new proposed regulated activities in this plan modification; this modification is solely to notify that the demarcation of the limits of disturbance will be moved further north than previously represented.

As quarrying expands, the stormwater from this disturbed area will continue to be retained in the pit. The pit will act as a permanent BMP in redirecting and fully retaining runoff.

Due to the existing permanent BMPs at the site, the character of stormwater runoff will remain the same as it is currently. As quarrying activities progress, the volume of stormwater runoff from the site will be reduced because the quarry pit will ultimately retain the anticipated on-site and upgradient stormwater runoff.

The stormwater discussion for other areas of this site is unchanged from what is represented in the approved WPAP Plan dated 8/3/2018 (EAPP ID 11000985) and the WPAP Mod dated 2/17/2023 (EAPP ID 11003429).

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 Engineer/Agent: Andrea Kidd, P.E.

TX License No. 132541 | TX Firm No. 4524

Date: _____

Signature of Engineer:



8/2/2023

Regulated Entity Name: AJ Brauer Stone 305 Pit

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: diesel and new/used motor oil.

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. **AST Plan for this site (ID 11000986) was approved and is effective as of August 3, 2018.**
- 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: Salado Creek

Temporary Best Management Practices (TBMPs)

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

7. **Attachment D – Temporary Best Management Practices and Measures.** TBMPs and measures will prevent pollution of surface water, groundwater, and stormwater. The

construction-phase BMPs for erosion and sediment controls have been designed to retain sediment on site to the extent practicable. The following information is attached:

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

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

Soil Stabilization Practices

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

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

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

Administrative Information

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

**A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit**

**Temporary Stormwater Section (TCEQ-0602)
Attachment A**

Spill Response Actions

Education

- (1) Be aware that different materials pollute in different amounts. Make sure that each employee knows what a “significant spill” is for each material they use, and what is the appropriate response for “significant” and “insignificant” spills. Employees should also be aware of when spill must be reported to the TCEQ.
- (2) Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
- (3) Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
- (4) Establish a continuing education program to indoctrinate new employees.
- (5) Have contractor’s superintendent or representative oversee and enforce proper spill prevention and control measures.

General Measures

- (1) To the extent that the work can be accomplished safely, spills of oil, petroleum products, and substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately.
- (2) Store hazardous materials and wastes in covered containers and protect from vandalism.
- (3) Place a stockpile of spill clean-up materials where it will be readily accessible.
- (4) Train employees in spill prevention and cleanup.
- (5) Designate responsible individuals to oversee and enforce control measures.
- (6) Spills should be covered and protected from stormwater run-on during rainfall to the extent that it doesn’t compromise cleanup activities.
- (7) Do not bury or wash spills with water.
- (8) Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.

A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit

(9) Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.

(10) Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.

(11) Place Safety Data Sheets (SDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.

(12) Keep waste storage areas clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

Cleanup

(1) Clean up leaks and spills immediately.

(2) Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.

(3) Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMPs in this section for specific information.

Minor Spills

(1) Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.

(2) Use absorbent materials on small spills rather than hosing down or burying the spill.

(3) Absorbent materials should be promptly removed and disposed of properly.

(4) Follow the practice below for a minor spill:

(5) Contain the spread of the spill.

(6) Recover spilled materials.

(7) Clean the contaminated area and properly dispose of contaminated materials.

A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit

Semi-Significant Spills

Semi-significant spills still can be controlled by the first responder along with the aid of other personnel such as laborers and the foreman, etc. This response may require the cessation of all other activities.

Spills should be cleaned up immediately:

- (1) Contain spread of the spill.
- (2) Notify the project foreman immediately.
- (3) If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.
- (4) If the spill occurs in dirt areas, contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.
- (5) If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spill

For significant or hazardous spills that are in reportable quantities:

- (1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.
- (2) For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,117, and 302, the contractor should notify the National Response Center at (800) 424-8802.
- (3) Notification should first be made by telephone and followed up with a written report.
- (4) The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.
- (5) Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit

In the event of a reportable spill, the following Emergency Response Agencies can be contacted for assistance. Always inform your supervisor of a reportable spill immediately. Follow company policy when responding to an emergency.

State Emergency Response Commission	(512) 424-2208
National Response Center	(800) 424-8802
US EPA Region 6, Dallas, 24-hr Number	(866) 372-7745
National Weather Service	(281) 337-5074
TCEQ 24-hr	(800) 832-8224
TCEQ Region 11	(512) 339-2929

Vehicle and Equipment Maintenance

- (1) If maintenance must occur on-site, use a designated area and a secondary containment, located away from drainage courses, to prevent the run-on of stormwater and the runoff of spills.
- (2) Regularly inspect on-site vehicles and equipment for leaks and repair immediately.
- (3) Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment on-site.
- (4) Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.
- (5) Place drip pans or absorbent materials under paving equipment when not in use.
- (6) Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.
- (7) Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.
- (8) Oil filters disposed of in trashcans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.
- (9) Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit

Vehicle and Equipment Fueling

(1) If fueling must occur on site, use designated areas, located away from drainage courses, to prevent the run-on of stormwater and the runoff of spills.

(2) Discourage “topping off” of fuel tanks.

(3) Always use secondary containment, such as a drain pan, when fueling to catch spills/ leaks.

The site is covered by an AST Plan. Any spills and/or leaks that occur will be cleaned up immediately and will be disposed of properly.

A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit

DETAILED TELEPHONE SPILL REPORT FORM

Date of Incident: _____

Location of Incident: _____

Description of material spilled: _____

Quantity of material spilled: _____

Cause of spill: _____

Authorities notified: _____

Remediation/clean-up action: _____

Corrective measures taken for prevention of reoccurrence: _____

Signature: _____

Notes: _____



A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit

Portable Toilet BMPs:

Portable toilets and/or sewage pump-out tanks will be used on-site and will be handled in accordance with the following guidelines:

- A licensed waste collector should service all the toilets/tanks. **The following tasks will be performed by the portable toilet supplier:**
 - Empty portable toilets/tanks before transporting them.
 - Securely fasten the toilets/tanks to the transport truck.
 - Use hand trucks, dollies, and power tailgates whenever possible.
 - Suppliers should carry bleach for disinfection in the event of a spill or leak.
 - Inspect the toilets frequently for leaks and have the units serviced and sanitized at time intervals that will maintain sanitary conditions of each toilet.
 - Pump-out tanks should be checked periodically for leaks. (Methods may include, but are not limited to: visual inspection, water level monitoring, pump-out volume comparisons, etc.)
- Locate portable toilets at least 20 feet from the nearest storm-drain inlet or sensitive-feature buffer area
- A berm will be constructed around all portable toilet facilities.
- Prepare a level ground surface with clear access to the toilets.
- Secure all portable toilets to prevent tipping by accident, weather, or vandalism.

Sewage pump-out tanks may be associated with modular or trailer-style buildings (i.e. – plant office, scale house, etc.). These tanks operate with the same nature and character as the portable toilets: they temporarily hold sewage from modular building restrooms and will be serviced by the same contractor, in the same way, as portable toilets. These tanks may be partially or fully buried but are still considered temporary/portable as they are intended to be repositioned on site over time to meet operational needs, and therefore do not constitute an OSSF or holding tank as defined by 30 TAC 285, nor any other type of organized sewage collection system.

Temporary Stormwater Section (TCEQ-0602)
Attachment B

Potential Sources of Contamination

Potential sources of contamination in the project area are the soil, fuels and lubricants from vehicles and equipment, and trash/debris items.

**A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit**

**Temporary Stormwater Section (TCEQ-0602)
Attachment C**

Sequence of Major Activities

There are no new proposed regulated activities in this plan modification; this modification is solely to notify that the demarcation of the limits of disturbance will be moved further north than previously represented. Quarrying will expand northward, up to the permanent natural buffers, on an as-needed basis.

All other activities will continue as originally approved under the WPAP Plan dated 8/3/2018 (EAPP ID 11000985) and the recent WPAP Plan Modification dated 2/17/2023 (additional EAPP ID 11003429).

**Temporary Stormwater Section (TCEQ-0602)
Attachments D, E, F, G, H, and J**

There are no new proposed regulated activities in this plan modification; this modification is solely to notify that the demarcation of the limits of disturbance will be moved further north than previously represented. There will be no new temporary BMPs. There are no changes to structural practices. There is no request to seal a feature with this modification.

Grading activities for this site are covered under the approved WPAP Plan dated 8/3/2018 (EAPP ID 11000985) and the recent WPAP Plan Modification dated 2/17/2023 (additional EAPP ID 11003429).

**Temporary Stormwater Section (TCEQ-0602)
Attachment I**

Inspection and Maintenance for BMPs

As a result of this project, there is no change to inspection and maintenance of BMPs as stated in the approved WPAP Plan dated 8/3/2018 (EAPP ID 11000985) and the recent WPAP Plan Modification dated 2/17/2023 (additional EAPP ID 11003429), however the responsibility for this remains.

If it becomes necessary, mine dewatering will be accomplished according to the TCEQ stormwater regulations noted in the TPDES General Permit No. TXR050000 under Sector J for Mineral Mining and Processing Facilities.

Permanent Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(C), (D)(li), (E), and (5), Effective June 1, 1999

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

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

Signature

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

Print Name of Customer/Agent: Andrea Kidd, P.E.

TX License No. 132541 | TX Firm No. 4524

Date: _____

Signature of Engineer:



8/2/2023

Regulated Entity Name: AJ Brauer Stone 305 Pit

Permanent Best Management Practices (BMPs)

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

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

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

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

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

Responsibility for Maintenance of Permanent BMP(s)

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

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

**A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit**

Permanent Stormwater Section (TCEQ-0600)

Attachments A, B, C, D, E, F, H, and I

There are no new proposed regulated activities and no new proposed BMPs in this plan modification; this modification is solely to notify that the demarcation of the limits of disturbance will be moved further north than previously represented. The final earthen berm will act as a permanent BMP in redirecting and fully retaining runoff.

Previously approved BMPs are in place and no changes to them are proposed. Operations and implementation of BMPs will continue into the expanded quarry area in the same manner as previously approved. Discussion of previously approved BMPs and their maintenance for all areas of this site are covered under the approved WPAP Plan dated 8/3/2018 (EAPP ID 11000985) and the recent WPAP Plan Modification dated 2/17/2023 (additional EAPP ID 11003429).

Permanent Stormwater Section (TCEQ-0600)

Attachment G

Inspection, Maintenance, Repair and Retrofit Plan

The swale along the road to the south of the site should be inspected quarterly until stabilized with vegetation. Written documentation of these inspections should be kept at the project site. Any erosion of the swale that inhibits the flow of runoff towards the pit should be corrected by maintaining swale design as necessary.

In other areas on the site, vegetated buffers should continue to be inspected at least twice annually until the final earthen berm has vegetated, for erosion or damage to vegetation. Written documentation of these inspections should be kept at the project site. Bare spots and areas of erosion identified during inspections must be replanted. Trash and debris items should be removed.



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input checked="" type="checkbox"/> Other WPAP Mod
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 604605089		RN 106619265

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
A.J. Brauer Stone, Inc.			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0801603898	32048094182		
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input checked="" type="checkbox"/> Corporation Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Individual <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 checked="" type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input 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 checked="" type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:			
4386 CR 305			
City	Jarrell	State	TX
ZIP	76537	ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		jbrauer@bstoneandtile.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(512) 748-5877			

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> Update to Regulated Entity Information	
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
AJ Brauer Stone 305 Pit	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	4386 CR 305							
	City	Jarrell	State	TX	ZIP	76537	ZIP + 4	
24. County	Williamson							

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

25. Description to Physical Location:												
26. Nearest City	Jarrell				State	TX	Nearest ZIP Code		76537			
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>												
27. Latitude (N) In Decimal:	30.816275°			28. Longitude (W) In Decimal:	-97.650193°							
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds							
30	48	58.59	97	39	00.69							
29. Primary SIC Code (4 digits)	1411		30. Secondary SIC Code (4 digits)			31. Primary NAICS Code (5 or 6 digits)	212311			32. Secondary NAICS Code (5 or 6 digits)		
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>												
Construction Materials												
34. Mailing Address:	4386 CR 305											
	City	Jarrell	State	TX	ZIP	76537	ZIP + 4					
35. E-Mail Address:	jbrauer@bstoneandtile.com											
36. Telephone Number	(512) 748-5877			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.

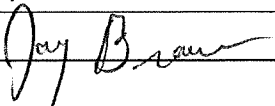
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
		11003429		
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Andrea Kidd, P.E.			41. Title:	Project Engineer	
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address			
(830) 249-8284		(830) 249-0221	akidd@westwardenv.com			

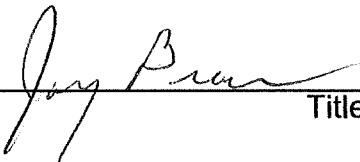
SECTION V: Authorized Signature

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:	A.J. Brauer Stone, Inc.		Job Title:	Property Owner	
Name <i>(In Print)</i> :	Jay Brauer			Phone:	(512) 748-5877
Signature:				Date:	6-7-23

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

I _____ Jay Brauer _____,
Print Name

 _____ Property Owner
Title - Owner/President/Other

of _____ A.J. Brauer Stone, Inc. _____
Corporation/Partnership/Entity Name

have authorized _____ Curt G. Campbell, P.E., Doug Millsaps, P.E., Gary D. Nicholls, P.E.,
Andrea Kidd, P.E., Vance Houy, P.E., and Nicolas E. Mercado, P.E. _____
Print Name of Agent/Engineer

of _____ Westward Environmental, 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:

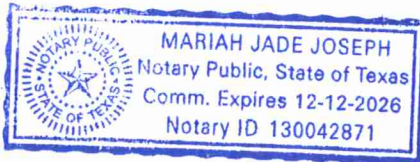
Jay Braver
Applicant's Signature

6-7-23
Date

THE STATE OF Texas §
County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Jay Braver 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 6 day of June 2023



Mariah Jade Joseph
NOTARY PUBLIC
Mariah Jade Joseph
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 12/12/2026

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: AJ Brauer Stone 305 Pit

Regulated Entity Location: 4386 CR 305, Jarrell, Texas

Name of Customer: AJ Brauer Stone, Inc.

Contact Person: Jay Brauer

Phone: (512) 748-5877

Customer Reference Number (if issued): CN 604605089

Regulated Entity Reference Number (if issued): RN 106619265

Austin Regional Office (3373)

Hays

Travis

Williamson

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

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

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

12100 Park 35 Circle

Mail Code 214

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(512)239-0357

Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

Type of Plan	Size	Fee Due
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	Over 100 Acres	\$10,000
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

Signature: Jay Brauer

Date: 6-7-23

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

Project	Fee
Extension of Time Request	\$150

**A.J. Brauer Stone, Inc.
AJ Brauer Stone 305 Pit**

**Permanent Stormwater Section (TCEQ-0600)
Attachment G**

Inspection, Maintenance, Repair and Retrofit Plan

I, Jay Brauer, have read and understand the Inspection, Maintenance, Repair and Retrofit (IMRR) Plan contained in this Water Pollution Abatement Plan (WPAP).

I understand the specific Permanent Best Management Practices (PBMPs) and associated inspection and maintenance schedule which are outlined in this IMRR Plan. A.J. Brauer Stone, Inc. will implement these inspections and perform maintenance as required to meet the intent of the IMRR Plan.

Name and signature of responsible party for maintenance of permanent BMPs

Print Name: Jay Brauer Jay Brauer
A.J. Brauer Stone, Inc.

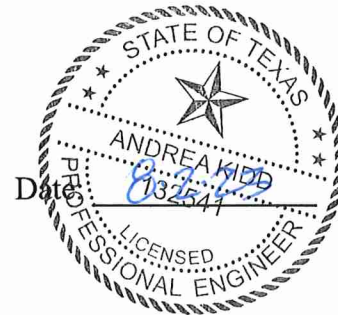
Signature Jay Brauer

Date: 6-7-23

Name and signature of Engineer

Print Name: ANDREA KIDD
Westward Environmental, Inc.

Signature Andrea Kidd



Owner Authorization Form

Texas Commission on Environmental Quality
for Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

Land Owner Authorization

I, August Brauer, III of Brauer, August III & Cynthia
Land Owner Signatory Name Land Owner Name (Legal Entity or Individual)

am the owner of the property located at
parcels noted in attached within Abstract No. 410, Nathaniel Moore Survey
Legal description of the property referenced in the application

and am duly authorized in accordance with §213.4(c)(2) and §213.4(d)(1) or §213.23(c)(2) and §213.23(d) relating to the right to submit an application, signatory authority, and proof of authorized signatory.

I do hereby authorize A.J. Brauer Stone, Inc.
Applicant Name (Legal Entity or Individual)

to conduct aggregate production and associated operations
Description of the proposed regulated activities

at existing quarry located at 4386 CR 305, Jarrell, Texas 76537
Precise location of the authorized regulated activities

Land Owner Acknowledgement

I understand that Brauer, August III & Cynthia
Land Owner Name (Legal Entity or Individual)

Is ultimately responsible for compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation even if the responsibility for compliance and the right to possess and control the property referenced in the application has been contractually assumed by another legal entity. I further understand that any failure to comply with any condition of the executive director's approval is a violation is subject to administrative rule or orders and penalties as provided under §213.10 (relating to Enforcement). Such violation may also be subject to civil penalties and injunction.

Land Owner Signature

August III and Cynthia Brauer

Land Owner Signature

6-7-23

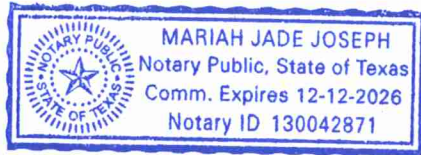
Date

THE STATE OF § TEXAS

County of § Williamson

BEFORE ME, the undersigned authority, on this day personally appeared August III and Cynthia Brauer 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 6 day of JUNE, 2023



Mariah Jade Joseph
NOTARY PUBLIC

mariah Jade JOSEPH
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 12/12/26

Attached: (Mark all that apply)

- Lease Agreement
- Signed Contract
- Deed Recorded Easement
- Other - screen shot of
Appraisal District parcels