

Juarez Stone Quarry #2

Water Pollution Abatement Plan WPAP

Juarez Stone Quarry #2
3935 CR 239
Jarrell, Texas
Williamson County

Submitted to: TCEQ Region 11, Austin

Prepared By:



Boerne, Texas

830-249-8284

Date: July 2023

Project No. 10716-019

-CRC-



Signature: _____

Nicolas E. Mercado

Nicolas E. Mercado, PE - License No. 144228

TX PE Firm No. 4524

Date: 7/3/2023

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: Juarez Stone Quarry #2				2. Regulated Entity No.: Applying					
3. Customer Name: Juarez Stone, Inc.				4. Customer No.: 603861774					
5. Project Type: (Please circle/check one)	<input checked="" type="radio"/> New	Modification			Extension		Exception		
6. Plan Type: (Please circle/check one)	<input checked="" type="radio"/> WPAP	<input type="radio"/> CZP	<input type="radio"/> SCS	<input type="radio"/> UST	<input type="radio"/> AST	<input type="radio"/> EXP	<input type="radio"/> EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	<input type="radio"/> Residential		<input checked="" type="radio"/> Non-residential			8. Site (acres):		24.256	
9. Application Fee:	\$6,500.00		10. Permanent BMP(s):			Perimeter Berm/Buffer			
11. SCS (Linear Ft.):	N/A		12. AST/UST (No. Tanks):						
13. County:	Williamson		14. Watershed:			Dry Berry Creek			

Application Distribution

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

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

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

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

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

Nicolas E. Mercado, P.E.
 TX License No. 144228 | Firm No. 4524

Print Name of Customer/Authorized Agent

Nicolas E. Mercado

7/3/2023

Signature of Customer/Authorized Agent

Date

FOR TCEQ INTERNAL USE ONLY			
Date(s) Reviewed:		Date Administratively Complete:	
Received From:		Correct Number of Copies:	
Received By:		Distribution Date:	
EAPP File Number:		Complex:	
Admin. Review(s) (No.):		No. AR Rounds:	
Delinquent Fees (Y/N):		Review Time Spent:	
Lat./Long. Verified:		SOS Customer Verification:	
Agent Authorization Complete/Notarized (Y/N):		Fee Check:	Payable to TCEQ (Y/N):
Core Data Form Complete (Y/N):			Signed (Y/N):
Core Data Form Incomplete Nos.:			Less than 90 days old (Y/N):

Article I. Water Pollution Abatement Plan Checklist

- ✓ **Edwards Aquifer Application Cover Page (TCEQ-20705)**
- ✓ **General Information Form (TCEQ-0587)**
 - Attachment A - Road Map
 - Attachment B - USGS / Edwards Recharge Zone Map
 - Attachment C - Project Description
- ✓ **Geologic Assessment Form (TCEQ-0585)**
 - Attachment A - Geologic Assessment Table (TCEQ-0585-Table)
 - Comments to the Geologic Assessment Table
 - Attachment B - Soil Profile and Narrative of Soil Units
 - Attachment C - Stratigraphic Column
 - Attachment D - Narrative of Site Specific Geology
 - Site Geologic Map(s)
 - Table or list for the position of features' latitude/longitude (if mapped using GPS)
- ✓ **Water Pollution Abatement Plan Application Form (TCEQ-0584)**
 - Attachment A - Factors Affecting Water Quality
 - Attachment B - Volume and Character of Stormwater
 - Attachment C - Suitability Letter from Authorized Agent (if OSSF is proposed)
 - Attachment D - Exception to the Required Geologic Assessment (if requesting an exception)
 - Site Plan
- ✓ **Temporary Stormwater Section (TCEQ-0602)**
 - Attachment A - Spill Response Actions
 - Attachment B - Potential Sources of Contamination
 - Attachment C - Sequence of Major Activities
 - Attachment D - Temporary Best Management Practices and Measures
 - Attachment E - Request to Temporarily Seal a Feature, if sealing a feature
 - Attachment F - Structural Practices
 - Attachment G - Drainage Area Map
 - Attachment H - Temporary Sediment Pond(s) Plans and Calculations
 - Attachment I - Inspection and Maintenance for BMPs
 - Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices
- ✓ **Permanent Stormwater Section (TCEQ-0600)**
 - Attachment A - 20% or Less Impervious Cover Waiver, if project is multi-family residential, a school, or a small business and 20% or less impervious cover is proposed for the site
 - Attachment B - BMPs for Upgradient Stormwater

Attachment C - BMPs for On-site Stormwater

Attachment D - BMPs for Surface Streams

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

Attachment F - Construction Plans

Attachment G - Inspection, Maintenance, Repair and Retrofit Plan

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

Attachment I - Measures for Minimizing Surface Stream Contamination

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

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.

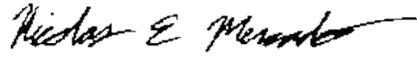
Section 1.01 Signature

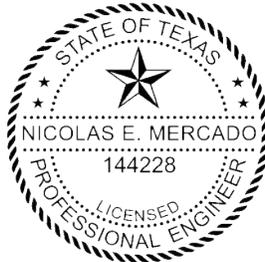
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **General Information Form** is hereby submitted for TCEQ review. The application was prepared by:

Print Name of Customer/Agent: Nicolas E. Mercado P.E., TX License No. 144228, TX Firm No. 4524

Date: 7/3/2023

Signature of Customer/Agent:





Section 1.02 Project Information

1. Regulated Entity Name: Juarez Stone Quarry #2
2. County: Williamson County
3. Stream Basin: Brazos River Basin
4. Groundwater Conservation District (If applicable): N/A
5. Edwards Aquifer Zone:
 Recharge Zone
 Transition Zone
6. Plan Type:
 WPAP
 SCS
 Modification
 AST

UST

Exception Request

7. Customer (Applicant):

Contact Person: Roberto Juarez

Entity: Juarez Stone, Inc.

Mailing Address: 550 PR 909

City, State: Georgetown, TX

Zip: 78626

Telephone: (512) 554-7057

FAX: _____

Email Address: juarezstone@gmail.com

8. Agent/Representative (If any):

Contact Person: Nicolas E. Mercado

Entity: Westward Environmental, Inc.

Mailing Address: #4 Shooting Club Rd.

City, State: Boerne, TX

Zip: 78006

Telephone: (830) 249-8284

FAX: _____

Email Address: nmercado@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.

Located on County Road (CR) 239 approximately 3.56 miles east of the intersection of CR 239 and HWY 195, approximately 5 miles southwest of Jarrell, Williamson County, Texas

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

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

Project site boundaries.

USGS Quadrangle Name(s).

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

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

13. **The TCEQ must be able to inspect the project site or the application will be returned.**
 Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment.
- Survey staking will be completed by this date: The site is fenced and there are no sensitive features
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: _____

Section 1.03 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.

Section 1.04 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.

Juarez Stone
CR 239 Quarry

General Information Form Attachment C

Project Description

Juarez Stones proposes to construct a dimension stone quarry and plant operation within a previously residential lot on CR 239 in Jarrell, Williamson County, Texas. The site is located entirely on the Edwards Aquifer Recharge Zone. The site is undeveloped except for an existing residential house and driveway. The house and driveway will remain undisturbed for the purposes of this project. The FEMA 100-year floodplain does not extend onto the property. Regulated activities at the site will consist of clearing, grading, aggregate extraction and processing construction, plus operation of wet saws, choppers and thin ucheer saws in association with water re-circulation ponds.

Juarez Stone plans to develop a quarry, beginning at the northwest portion of their property. An approximately 10-acre area will be cleared to start the quarry excavation with the approximate initial quarry location shown on the WPAP Site Map proposed initial development. The northwest corner has been chosen as the initial excavation location as it will provide containment of stormwater runoff during excavation activities. Temporary earthen berms will be built as a result of overburden removal and will retain stormwater runoff from disturbed areas. As the quarry pit expands outward to the mining limits, the earthen berms will expand with it and areas will be cleared in increments of less than 10 acres at a time. Approximately 20.3 acres is proposed to be quarried, starting from the northwest portion of the property, extending toward the final earthen berm and final vegetative buffer.

One entry/exit driveway exists off County Road (CR) 239. The private drive is located approximately 3.56-mile east of the intersection of Hwy 195 and CR 239. An approximately 20-foot wide internal driveway will connect the quarry to the private drive. The driveway will be constructed of compacted base material. A portable trailer, which will be located along the quarry entrance road inside the project boundary, will be used as a scale house and the existing residential house will be used for the office. During the initial development, runoff from the scale house will be treated by a vegetated filter strip, until the scale house is relocated into the pit.

Permanent BMPs at the site will include the Final Earthen Berm and a Final Vegetative Buffer. Portions of the site will be reclaimed over time with overburden and non-sellable material.

Trash generated on-site will be disposed of in a dumpster and handled by a licensed waste service. A water truck will be used as necessary to control dust.

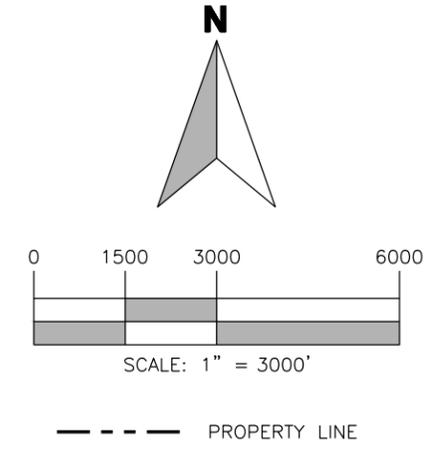
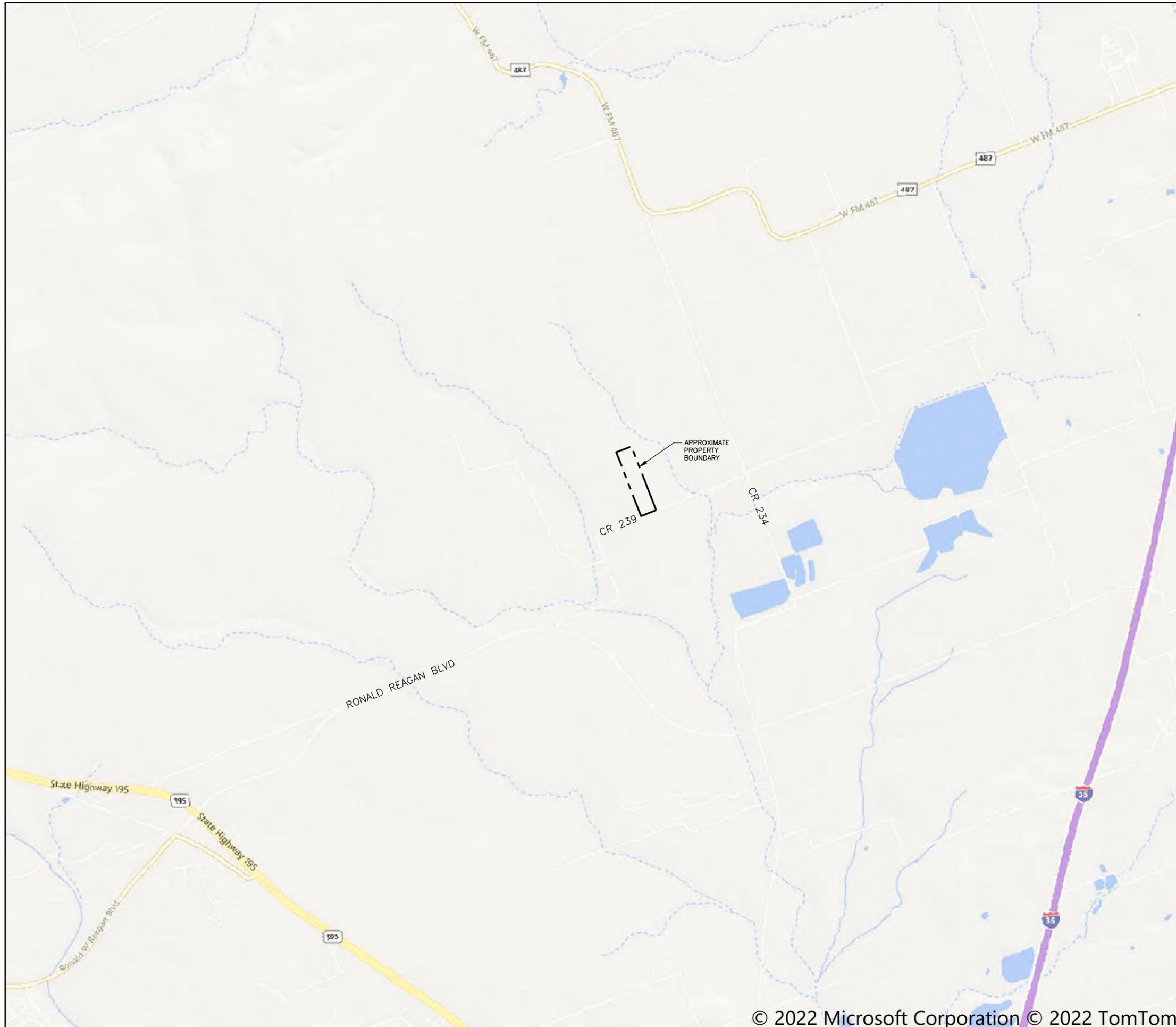
Routine vehicle maintenance will occur on a compacted base pad outside of the initial quarry area, until the maintenance shop is constructed in its place when it is available to place in the pit. The shop will be placed in the southwest corner of the pit and will remain in the pit. (see Maintenance Area on the WPAP Site Plan). Equipment will be fueled within the pit on a compacted base pad by a mobile refueler. The refueler will only be on-site when fuel is needed to service mobile equipment. Excavation equipment on-site may be used to construct berms in response to spills.

Juarez Stone
CR 239 Quarry

The wet saws pond will be a concrete lined sedimentation basin. The basins are constructed with side slopes of not more than 3:1 to allow access by front-end loader to remove accumulated sediment. Basins shall be constructed with approximately 1 ft of freeboard to prevent displacement of process water during sediment removal. Accumulated sediment should be removed when the recycled water sediment content increases to an unacceptable level. The sediment may then be dried and used as fill material on site.

It is not expected that any significant amount of groundwater will be encountered in the quarry excavation. A 25-foot separation distance between the pit floor and the groundwater level will be maintained.

A geologic assessment (GA) covering the entire 24-acre site was completed January 18, 2023 under supervision of John J. Sackrider, PG Texas License No. 12654. No sensitive features were discovered during the GA, which is included with this submittal.



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

FOR INTERIM REVIEW ONLY

ROAD MAP	
WATER POLLUTION ABATEMENT PLAN	
JUAREZ STONE, INC.	
3935 CR 239, GEORGETOWN, TEXAS	
REV.	DESCRIPTION
	BY
	DATE

IMAGE:	BING MAPS 2022
ISSUE DATE:	4/27/2023
DRAWN BY:	CRC
CHECKED BY:	NM
SCALE:	1" = 3000'
JOB NO.:	10716-019

SHEET NO.:

1

OF 1

Juarez Stone, Inc.

GEOLOGIC ASSESSMENT

JUAREZ STONE QUARRY #2
3935 CR 239
GEORGETOWN, TEXAS 78633
WILLIAMSON COUNTY

Submitted to: TCEQ Region 11, Austin

Prepared By:



Boerne, Texas

830-249-8284

Date: January 2023

Project No. 10716.019

-JG-



Signature: _____

John J. Sackrider, P.G. - License No. 12654

TX PG Firm No. 50112

Date: 1/18/2023

Article I. 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.

Section 1.01 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:

Telephone: (830) 249-8284

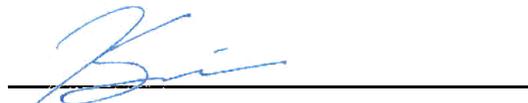
John J. Sackrider, P.G. #12654

Fax: (830) 249-0221

Date: 1/18/2023

Representing: Westward Environmental, Inc., TBPG Registered Geoscience Firm #50012
(Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: Juarez Stone Quarry #2

Section 1.02 Project Information

1/18/2023

1. Date(s) Geologic Assessment was performed: December 5, 2022

2. Type of Project:

WPAP
 SCS

AST
 UST

3. Location of Project:

Recharge Zone
 Transition Zone
 Contributing Zone within the Transition Zone

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

Article II. Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
DoC	D	< 2
EaD	D	< 2

** Soil Group Definitions (Abbreviated)*

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

6. **Attachment B – Stratigraphic Column.** A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
7. **Attachment C – Site Geology.** A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
8. **Attachment D – Site Geologic Map(s).** The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'
 Applicant's Site Plan Scale: 1" = 100'
 Site Geologic Map Scale: 1" = 100'
 Site Soils Map Scale (if more than 1 soil type): 1" = 100'
9. Method of collecting positional data:
 - Global Positioning System (GPS) technology.
 - Other method(s). Please describe method of data collection: _____
10. The project site and boundaries are clearly shown and labeled on the Site Geologic Map.

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

Section 2.01 Administrative Information

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

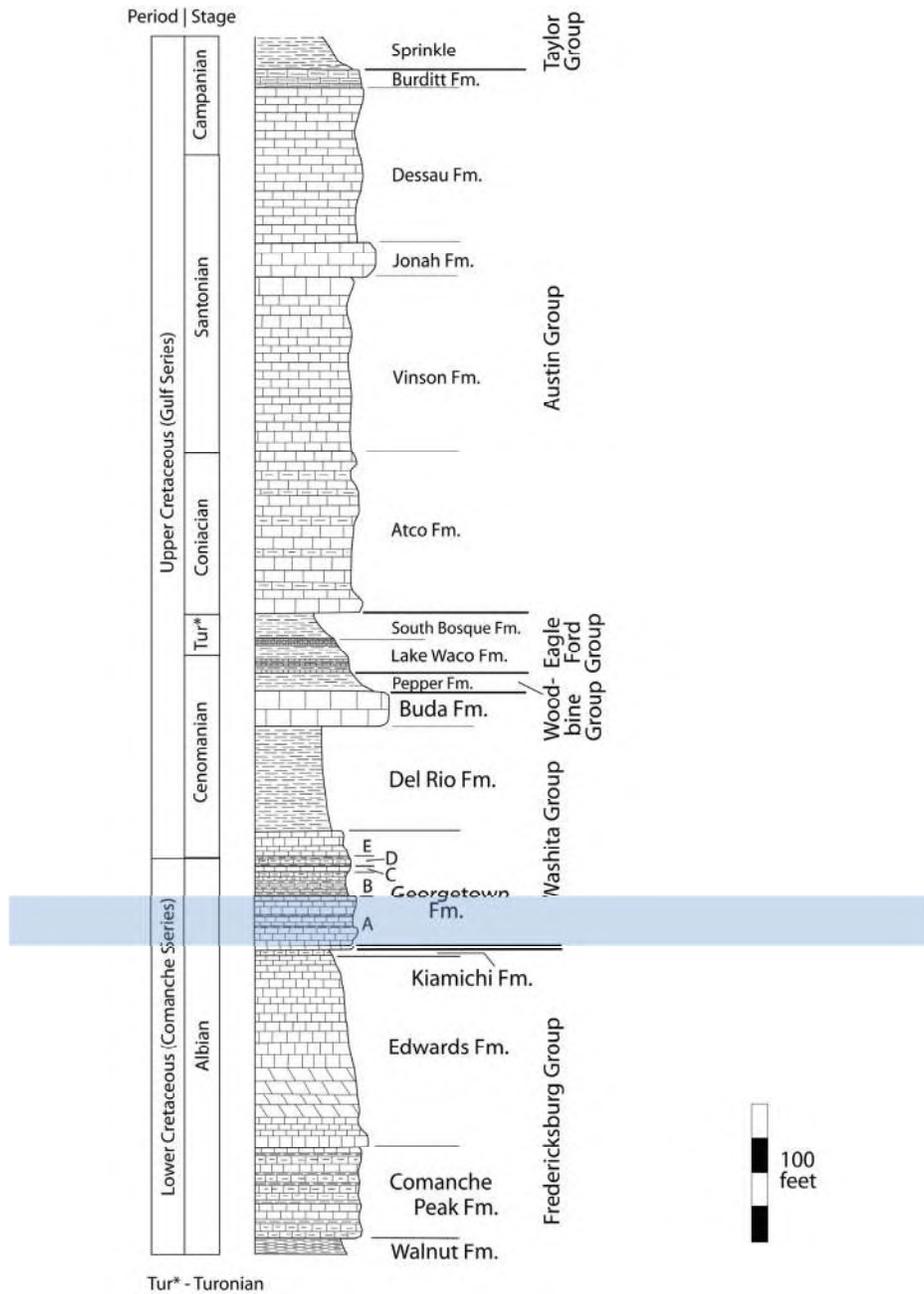
Attachment A

Geologic Assessment Table (Form TCEQ-0585)

Attachment B
Stratigraphic Column

Generalized Stratigraphic Column – Williamson County, Texas

Figure 1. Generalized Stratigraphic Column of the Round Rock Area



Surface unit mapped onsite.

Adapted from Stein and Ozuna, 1996.

Attachment C

Site Geology (Geologic Narrative)

Geologic Narrative

1.0 PURPOSE

Westward Environmental, Inc. (WESTWARD) was retained by Juarez Stone, Inc. (Client) to prepare a Geologic Assessment (GA) of their Juarez Stone Quarry #2 (Site). The area for the Site measures ~24 acres in size. This GA was prepared as a required attachment to a Water Pollution Abatement Plan (WPAP) as required by the Texas Commission of Environmental Quality (TCEQ).

2.0 REGULATORY GUIDANCE

Title 30 Chapter 213 of the Texas Administrative Code

This report was prepared in accordance with *Instructions for Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones (TCEQ-0585 (Rev. 10-01-04))* and will be reviewed pursuant to Title 30, Chapter 213 of the Texas Administrative Code.

3.0 PROJECT LOCATION

The Site is located on County Road 239, approximately 1 mile northeast of its intersection with Ronald Reagan Blvd. The address is 3935 CR 239, Georgetown, Williamson County, Texas. The Site is located over the Edwards Aquifer Recharge Zone (EARZ).

4.0 METHODOLOGY

As part of the GA, WESTWARD geologists performed a desktop review of selected published information. WESTWARD also conducted a field investigation in accordance with *TCEQ-0585 (Rev. 10-01-04)*.

4.1 Desktop Review

WESTWARD conducted a review of aerial imagery, the University of Texas Bureau of Economic Geology (BEG) Geologic Atlas of Texas (GAT) Austin Sheet, applicable U.S. Geological Survey (USGS) Topographic quadrangle(s), the Texas Natural Resources Information System (TNRIS), the Texas Water Development Board's (TWDB) Water Data Interactive Groundwater Data Viewer, the Federal Emergency Management Agency (FEMA) Flood Map Service Center, the Railroad Commission of Texas (RRC), and the U.S. Department of Agriculture (USDA) National Resource Conservation Service (NRCS) Web Soil Survey prior to the field investigation.

4.2 Field Investigation

A field investigation was performed at the Site by John J. Sackrider, P.G. (TBPG Lic. No.: 12654) on December 5, 2022. Field transects of the Site were walked in accordance with TCEQ-0585 (rev. 10-01-04).

5.0 DESKTOP REVIEW

The desktop review was utilized for preliminary planning of the field investigation. The accuracy of the desktop review was limited by the accessibility, scale, and age of the data available.

5.1 Published Surface Geology

A review of published geologic maps revealed the late Cretaceous-aged Georgetown Formation (Kgt), mapped at the surface of the Site. (USGS, 2007). A Site Geologic & Soils Map is included in Attachment D.

5.2 Published Structure

The desktop review did not reveal published faults or structure mapped at the Site.

5.3 Karst Features

The desktop review did not reveal karst features at the Site.

5.4 Non-karst & Manmade Features

The desktop review did not reveal non-karst nor manmade features at the Site.

5.5 Soils

Two (2) soil units were identified on the Site through the NRCS Web Soil Survey. The soil unit descriptions are detailed below as well as included on the Geologic Assessment Form TCEQ-0585 (Rev. 02-11-15). A Site Geologic & Soils Map is included in Attachment D.

Published Soil Unit Descriptions			
<i>Soil Name</i>	<i>Group</i>	<i>Thickness (Feet)</i>	<i>Description</i>
Doss silty clay (DoC), moist, 1 to 5 percent slopes	D	< 2	11-20 inches to restrictive feature (paralithic bedrock), well drained, moderately low to moderately high (0.06 to 0.57 in/hr) Ksat capacity
Eckrant cobbly clay (EaD), 1 to 8 percent slopes	D	< 2	4-20 inches to restrictive feature (lithic bedrock), well drained, moderately low to moderately high (0.06 to 0.57 in/hr) Ksat capacity

6.0 FIELD INVESTIGATION

The field investigation was performed on December 5, 2022 by John J. Sackrider, P.G. to verify the presence or absence of recharge features identified in the desktop review and to identify recharge features not found during the desktop review. Field reconnaissance was performed in accordance with the *TCEQ-0585-Instructions (Rev. 10-1-04)*.

6.1 Surface Geology

The surface geology across the Site is mapped as the Georgetown Formation (Kgt). There was no exposed bedrock observed at the Site and due to heavy vegetation and soil cover, the surface geology was not confirmed during the field investigation.

6.2 Structure

Evidence of faulting or other geologic structures was not observed at the Site during the field investigation.

6.3 Karst Features

There were no karst features observed and recorded during the field investigation.

6.4 Non-karst & Manmade Features

One (1) non-karst closed depression, S-1, was identified and recorded during the field investigation. This feature is rated not sensitive.

6.5 Feature Descriptions

S-1 (CD)

Not Sensitive

Feature S-1 is a non-karst closed depression located on the southeast part of the Site near a group of small shrubs. The feature is oval-shaped and measures approximately 15 ft. x 9 ft. x 1.5 ft. It is floored with a mixture of vegetation and dark rich organic soil. The catchment area is less than 1.6 acres, and the interpreted probability of rapid infiltration is low. This feature is rated not sensitive.

SELECT PHOTOGRAPHS



S-1: Non-karst closed depression with dark rich soil floor.

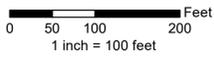


View of the typical Site conditions.

Attachment D
Site Geologic & Soils Map

LEGEND

- Approximate Property Boundary (From Client)
- GA Feature
- FEMA Floodplain
- Published Soil Units (NRCS*)**
- DoC - Doss silty clay
- EaD - Eckrant cobbly clay



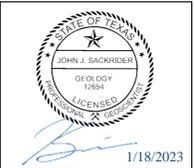
* Natural Resources Conservation Service

The entire mapped area shown here is within the Edwards Aquifer Recharge Zone (EARZ).
The surface geology for the entire area shown here is mapped as the Georgetown Formation (Kgt).



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

SITE GEOLOGIC & SOILS MAP
 JUAREZ STONE QUARRY #2
 JUAREZ STONE, INC.
 GEORGETOWN, WILLIAMSON COUNTY, TEXAS



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
 TBPC REG. NO.: 50112

ISSUE DATE:	1/18/2023
DRAWN BY:	JCS
CHECKED BY:	JCS
SCALE:	1" = 100'
DATE:	1/18/2023
PROJECT NO.:	10
DATE:	01/18/2023

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.

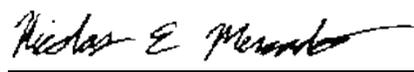
Section 1.01 Signature

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: Nicolas E. Mercado P.E., TX License No. 144228, TX Firm No. 4524

Date: 7/3/2023

Signature of Customer/Agent:





Regulated Entity Name: Juarez Stone Quarry #2

Section 1.02 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): 24.256

3. Estimated projected population: 15

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

Article II. Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	4,107	÷ 43,560 =	0.094
Parking		÷ 43,560 =	
Other paved surfaces	4,431	÷ 43,560 =	0.102
Total Impervious Cover	8,538	÷ 43,560 =	0.196

Total Impervious Cover 0.196 ÷ Total Acreage 24.256 X 100 = 0.81% 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.

Section 2.01 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.

Section 2.02 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.

Section 2.03 Wastewater to be generated by the Proposed Project

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

<u>100</u> % Domestic	<u>300</u> Gallons/day
<u> </u> % Industrial	<u> </u> Gallons/day
<u> </u> % Commingled	<u> </u> Gallons/day
TOTAL gallons/day <u>300</u>	

15. Wastewater will be disposed of by:

On-Site Sewage Facility (OSSF/Septic Tank): Existing septic tank at existing residential house

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):

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.



5/31/06 04:17 PM

Williamson County and Cities Health District NOTICE OF APPROVAL TO OPERATE AN OSSF

THIS IS TO CERTIFY that the on site sewage facility located at:

OSSF #: **2006 - 781**

3935 CR 239, Georgetown TX 78628

Grid:

J.A.F. GRAVES SURVEY, A-244

Block: Lot: **TRACT 2** Routine Maint

meets or exceeds the basic requirements established by the District.

LICENSE TO OPERATE this facility is hereby granted to the owner. This license simply grants permission to operate this facility; it does not guarantee its successful operation. Routine maintenance and proper functioning are the sole responsibility of the owner. KEEP THIS LICENSE with important papers. You may need it when selling your house or if a malfunction occurs.

THIS LICENSE REMAINS in effect until such time as there is evidence that this facility is not operating properly and may constitute a threat to the health of the people of Williamson County.

Tank Type: Concrete Box

Valve:

Max Flow: 300 gal/day

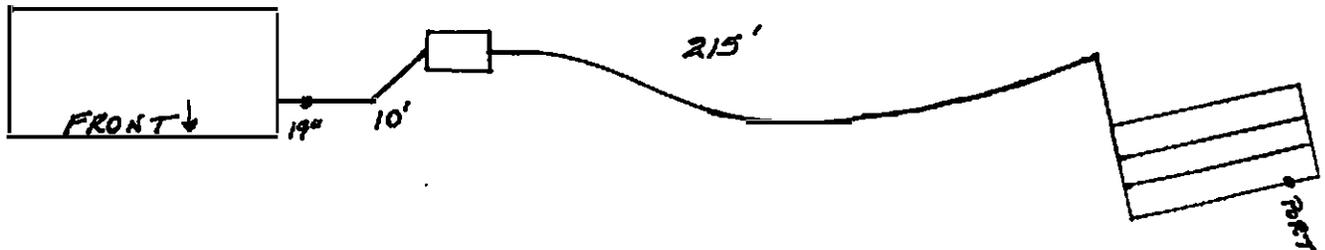
Tank Size: 1000 gallons

Drainfield Size: 1500 sq. ft.

Installed By:

Engineered By: DANIEL REEDER, R.S.

DRAWING OF SYSTEM (Not to scale):



OS 8984

PL 75 _____

m - 6/29/06

DATE OF FINAL INSPECTION. 5/31/06

ISSUED THIS DATE: 6/12/06

[Signature]
INSPECTOR

[Signature] OS 7173
DIRECTOR, ENVIRONMENTAL SERVICE

PIPE & GRAVEL 5-26-06 FINAL 5/31/06

Am
254-541-1213

OSSF# 06-781

WILLIAMSON COUNTY AND CITIES HEALTH DISTRICT
ALTERNATIVE SEPTIC SYSTEM INSPECTION - FIELD NOTES

Location: 3935 Cr 239

No. of Bedrooms: _____ Installer: Scott Stroud 19032

I. TANK TYPE:

- 1. Concrete: Type: A. Box: B. Oval: _____ C. Pump Tank: _____
- 2. Gallon Capacity: 1000 216
- 3. Gallon Capacity: _____
- 4. Other: _____

II. SOIL DISPOSAL FIELDS:

- 1. Type: A. Trenches: B. Beds: _____ C. Evapotranspiration: _____
- 2. Setbacks: A. Tank to well _____ B. Absorption Field to well _____ C. Field to property line 75'
- 3. Dimensions of Fields: A. Field #1 _____' x _____' = 304 Ft²
B. Field #2 _____' x _____' = _____ Ft²
C. Depth of Fields 20-51" Total 1500 Ft²
- 4. Gravel: A. Crushed B. Washed Aggregate _____ C. Amount 36 Yards estimated
- 5. Sand on Site: _____ Amount _____ Yards estimated, Sandy Loam existing Yards estimated.
- 6. Type of Valve _____

III. GENERAL CONDITIONS AND WORKMANSHIP OPEN PIT: Date: 5-26-06 Inspector: SLC

	Yes	No
1. Solid lines from house glued in place. Schedule 40 equivalent	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All needed clean-outs in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Schedule 40 pipe from tank to valve and beds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Holes around inlet and outlet grouted or sealed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Tank is watertight (filled to flow line)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. It s installed in tank with manufactured effluent filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Grade of bed bottom 12" lower than tank flow line	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Bed or trench bottom essentially level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Evident of seeps or shallow groundwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Gravel 12" deep throughout field	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Perforated pipe generally level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Pipe in field covered with gravel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. Backfill material and gravel cover on site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Cross pipes in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Soil conditions dry during installation	<input checked="" type="checkbox"/>	<input type="checkbox"/>

OS 8984

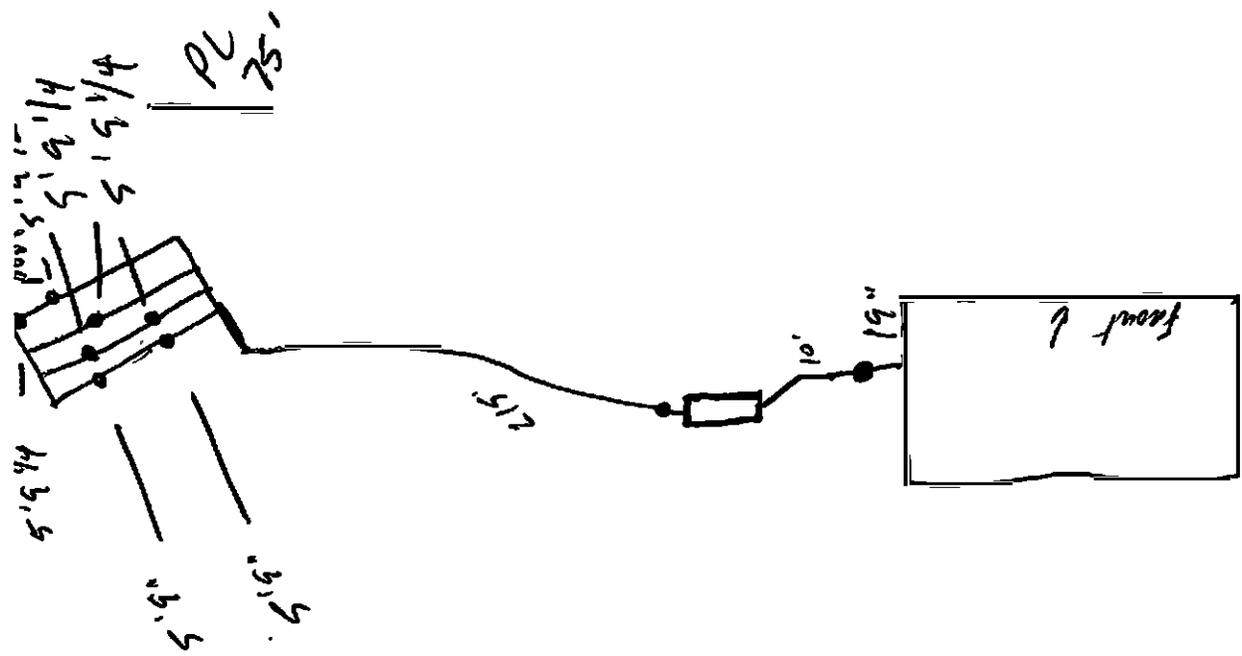
Approved

LANDSCAPE/FINAL INSPECTION: Date: 5/31/06 Inspector: SO

	Yes	No
1. Clean-outs installed in the fields	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. The fields are mounded 4" to 6" <u>No site visit</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Berm in place (if needed)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

FINAL SYSTEM APPROVAL:

REMARKS:





Williamson County and Cities Health District

303 Main St.
Georgetown TX 78626-
(512) 930-4390

PERMIT TO CONSTRUCT
** VALID FOR ONE YEAR FROM DATE OF PURCHASE **

Date: 5/5/06

m-5/8/06

Permit #: 2006 - 781

Date purchased: 2/14/06

Expiration date: 2/14/07

Owner's Name: **CONLIN, PAMELA G.**

3935 CR 239, Georgetown TX 78628

J.A.F. GRAVES SURVEY, A-244

Block: Lot: TRACT

AUTHORIZATION IS HEREBY GIVEN TO CONSTRUCT AN ON-SITE SEWAGE FACILITY ON THE ABOVE DESCRIBED PROPERTY WITH THE FOLLOWING SPECIFICATIONS:

Tank Capacity: 1000 gallons

Pump tank reserve capacity: 0 gallons

Design Flow: 300 gpd

Drainfield: Conventional

Drainfield / Sprayfield Size: 1500 sq. ft.

SEE ALSO ADDITIONAL DESIGN REQUIREMENT

Designed By: DANIEL REEDER, R.S.

Refer to the designer's latest plans for system specification

Plan Date: 4/3/06

Latest Approved Revision Date: 5/3/06

Contact the WCCHD and designer for required inspections.

A minimum 5 foot setback must be maintained from the property lines to the OSSF components.

NOTE The on-site sewage facility construction must meet all TCEQ Regulations and the WCCHD Rules for On-Site Sewage Facilities. If unforeseen and/or adverse conditions are encountered (including, but not limited to excessive rock, seepage, or high water table) stop construction and contact the WCCHD. A revised construction permit may be issued.

The approval of this OSSF design does not include water softeners or water treatment equipment and appliances - reference Chapter 285.37.

Daniel Reeder, 05 8072

Signed

5-5-06

Date

*** THIS PERMIT IS NON-TRANSFERABLE.**

WCCHD CHECK LIST FOR PROFESSIONAL DESIGNS - ON SITE SEWAGE FACILITIES

DATE: 4-3-06 OWNER: Pamela G. Conlin OSSF #: 06-781
 LOCATION: 3935 CR 239 ; Georgetown
 DESIGNER: Daniel Reeder, R.E. (S.O.S.) SITE EVALUATOR: same

Commercial?: No
 Type of System: Conventional Bedrooms on Permit: 3 Sq Ft: 2734
 Wastewater Design Flow (Gal/Day): 300 Bedrooms on Design: 3 Sq Ft: 43500
 Soil/Surface Application Rate: 0.2 Equivalent Bedrooms: 4

SITE EVALUATION (Most restrictive conditions)

Class of Native Soil: III SLR required: complete
 Restrictive layers (Rock, Clay, etc...): → Depth: 56" softm Flood Plain addressed: Exempt
 Evidence of Groundwater: No → Depth: - EARZ Addressed: Yes

NOT APPROVED by Field Inspector:
 APPROVED by Field Inspector: DEM 3-14-06

TREATMENT PROCESS

Septic / Trash Tank (gallons): 1800(210) Tank specifications:
 Filtration / Model:

DISPOSAL PROCESS

Drain Field (Linear Feet): 300 Drain Field (Square Feet): 1500
 Trench or Bed: Trenches Diversion Valve: N/A
 Depth Min/Max (Inches): 18 | 32 Width Min/Max (Inches): 36 | 36
 Gravel Size & Depth: 3/4-2" + 12" min (min. 6" below pipe) Backfill Class/Height above grade: II or III / 4-6" min
 Bed Construction Notes: Install 24 trenches 67.5' long each in "closed-loop" configuration
 Leaching Chamber Specs:
 Pipe Specs: SCH 40 4" or SDR 35

CONSTRUCTION PLAN (SITE PLAN/CROSS SECTIONS)

Contour lines/slope - esp. in disposal area: 2% Well locations shown: N/A Water line shown: Yes
 Profile Holes shown and near drain field: Yes Property lines shown: Yes Setbacks shown/stated: Yes
 Cross section of tanks: Yes Cross Sections Labeled: OK
 Landscape/Vegetation Notes: seed w/ grasses

CONTRACTURAL / ADMINISTRATIVE

Signed/Sealed/Dated by designer: Yes Fees Due: No

ADDITIONAL NOTES:

*SLR items OK 5-5-06 PMW
*Soil letter OK 5-5-06 PMW

DESIGN APPROVED:

OK PMW 5-5-06

Daniel Reeder 4-25-06
05 8032 Inspector / Date



April 28, 2006

Pamela Conlin
P.O. Box 453
Holland, TX 76534

M428-06

RE: PROFESSIONAL DESIGN FOR 3935 CR 239, J.A.F. GRAVES SURVEY, A-244, TRACT 2, 24.28 ACRES, GEORGETOWN, TX, OSSF# 2006-781

Mrs. Conlin:

On April 3, 2006, the Williamson County & Cities Health District received a design submittal for On Site Sewage Facility (OSSF) application # 2006-781 from Daniel Reeder, R.S. The design is not approved and authorization to construct cannot be given at this time for the following reasons:

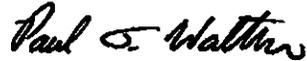
- OK PRW 5-5-06 ✓ In order to complete the Single Lot Review for this property, please submit a copy of a professional survey of the property that addresses the 100-year floodplain and square footage of the property. All existing structures with water and electrical service must be shown on the survey or the OSSF design.
- OK PRW 5-3-06 ✓ In addition, please provide a drainage plan for the lot. This report must include how drainage patterns will or will not affect the proper function of the OSSF. This report must show any drainage improvements needed to ensure that the lot would have positive drainage, meaning that water will not pool on the lot. The report must state if positive drainage already exists.
- OK PRW 5-1-06 ✓ In order to complete the Single Lot Review for this property, please submit a service commitment letter from the company that is serving water to this property.
- OK PRW 5-1-06 ✓ The calculation concerning the size of the drain field does not appear to be accurate. You cannot get credit area for the all of the sidewall of the 27' long connecting trenches on the ends of the drain field. You can only get sidewall credit for the portion of the of the 27' long trench that actually has soil sidewall. Please contact me if you need more clarification on this issue. (OK, after conversation w/ Dan about his calculation (used @ 61.5' inches, but diam @ 67.5'))
- ✓ The WCCHD inspector's soil evaluation indicates that one of the profile holes was only 56 inches deep. Therefore, the maximum allowable excavation depth for the drain field trenches is 32 inches.
- ✓ The WCCHD inspector's site evaluation indicates that there is dirt drive that appears to be going over the effluent pipe from the tank to the drain field. A variance will be required when any part of an OSSF is within 5 feet of a surface improvement, including driveways and sidewalks. Please include equivalent protection information in your request.
- OK PRW 5-5-06 ✓ Please specify that there needs to be at least 12" of gravel media in the trenches.
- ✓ Please specify the allowable types of soil that can used to backfill and cover the drain field.
- ✓ Please provide a vegetation plan for the backfill over the drain field.
- ✓ Please label the road on the site plan.
- ✓ Please show a minimum 5' OSSF setback to the property lines, and the dirt driveway noted above if applicable.
- ✓ Please include a statement concerning the levelness requirements for the trenches. This should state that the trenches be level within +/- 1" every 25' and 3 inches total.
- ✓ Please specify the minimum required slope/fall from the house to the tank.
- ✓ Please specify the minimum required slope/fall from the tank to the bottom disposal trench.

OK PTW
5-5-00

✓ Please specify the strength rating of the pipe that needs to be installed between the house and the tank.

Once all required criteria have been submitted to this office, authorization to construct will be granted. If you have any questions concerning this matter, please contact this office.

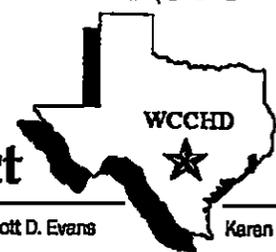
Sincerely,



Paul T. Walter, OS 8032
Environmental Services

C: Daniel Reeder, R.S.

2006-781



Williamson County & Cities Health District

Board of Health: Mary Faith Sterk, Chair • Margaret R. Fink • Katherine M. Galloway • Tim Mikeska • Lettie A. Lee • Scott D. Evans

Karen Wilson, Director

your public health department

Date:
To: Public
Re: OSSF Requirements for Single Lot Subdivisions
From: Environmental Services

2006-781

Lots that have not been "legally" subdivided or have not completed an Environmental Review must submit information regarding site suitability for on-site sewage facilities as required by the Texas Natural Resource Conservation Commission (TNRCC). OSSF permits will not be granted unless the following information has been submitted to this office.

- OK PTW 5-5-06 Provide a copy of a professional survey of the property that addresses floodplain and square footage of lot. All existing structures with water & electric service must be shown on the survey or OSSF design.
- OK Provide a map to property in relationship to major roads.

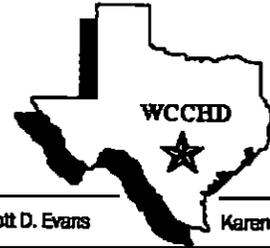
A qualified Site Evaluator can generally provide the additional items mentioned below.

- OK Indicate if property is or is not located within the Edwards Aquifer Recharge Zone.
- OK PTW 5-5-06 Provide a drainage plan. This report must include how drainage patterns will or will not affect the proper function of the OSSF. This report must show any drainage improvements needed to ensure that the lot would have positive drainage, meaning that water will not pool on lot. The report must state if positive drainage already exists.
- OK Indicate if the lot is served by private wells, public wells, or a public water supply. A minimum of 1 acre of surface area is required for each house if served by public water. A minimum of 2 acres of surface area is required per residence if served by private well.
- OK PTW 5-3-06 If lot is to be served by a water company, then a letter will be needed from the Water Company stating that they have the capability and capacity to serve water to said lot.
- N/A If lot is to be served by wells, the well locations must be located on the survey with the required 100-foot sanitary easement labeled. Wells must be located 50 feet from all property lines. If the sanitary easement encroaches neighboring properties, a letter of easement acceptance is required from affected property owner.
- OK Provide a topographic map or state direction and percentage of slope on the lot. Additional topographic information may be required depending on the nature of the lot and system location.
- OK A subsoil and groundwater report must be submitted that indicates the depth and type of soils, depth to rock or other restrictive layers, depth to groundwater or evidence of groundwater (mottling). Two test holes are required for the installation of septic system. These holes are to be a depth of at least 5 feet and must be left uncovered for Williamson County inspectors to evaluate.
- OK Provide a report detailing the types of OSSF to be considered for this lot.
- OK-NIA Indicate 75-foot setbacks from creeks, lakes, drainage-ways, and drainage easements. Indicate 25-foot setbacks from breaks in grade. Indicate 150-foot setbacks from recharge features.

Once all required criteria have been submitted to this office, the design can be reviewed for approval. If you have any questions concerning this matter, please contact this office.

~~NOT~~ COMPLETE
4-25-06 PTW
018032
OK PTW 5-5-06

Williamson County & Cities Health District



Board of Health: Mary Faith Sterk, Chair • Margaret R. Fink • Katherine M. Galloway • Tim Mikaska • Lettie A. Lee • Scott D. Evans

Karen Wilson, Director

March 15, 2006

your public health department

Pamela Conlin
P.O. Box 453
Holland, TX. 76534

m - 3/15/06

(OSSF) PERMIT #: 2006-781 @ 3935 C.R. 239, Georgetown, TX, 78628

Site Evaluator : Daniel Reeder _____ SE received (date): March 10, 2006

A site evaluation was received for this OSSF application. The site evaluation (S) IS NOT approved (circle one).

Please submit the following:

Soil Analysis

- Profile holes must be in area of OSSF field
- Holes at least 2' deeper than the proposed drain field
- State horizon depths in inches
- Provide gravel analysis
- Provide textural class of soil for each horizon
- Provide coloration for each horizon

Groundwater

- State whether or not there is EVIDENCE of groundwater and at what depth in inches. Evidence includes streaking, mottling, redox features, etc...
- If water is present, state the depth in inches and whether the water is clear or muddy

Topography

- Indicate slope and direction or contours
- Show drainage ways, easements, creeks, ponds, etc...
- Show breaks in grade
- Note surface pooling

Vegetation

- Note vegetation in the area of the drain field

Flood Hazard

- Indicate if OSSF is in Flood Plain or Flood Way
- Show Flood Plain or Flood Way on site diagram

Edwards Aquifer Recharge Zone (EARZ)

- Indicate if site is in the EARZ
- Certify that no EARZ recharge features are within 150' of the OSSF

Further comments & Notes:

The site evaluation has been approved please submit the OSSF DESIGN for review.

Sincerely,

OS8626 Douglas Earl McPeters _____ (Printed)

D. E. McPeters _____ (Signed)

OS 8626

SITE EVALUATION VERIFICATION SHEET

THE PROPERTY OWNER IS RESPONSIBLE FOR THE FINAL OSSF DESIGN. DESIGNS MUST MEET MINIMUM REQUIREMENTS. THE PROPER PERFORMANCE OF AN ON-SITE SEWAGE FACILITY CANNOT BE GUARANTEED. PROPERTY OWNERS ARE ENCOURAGED TO OBTAIN A DESIGN FROM A PROFESSIONAL DESIGNER. PROPER LANDSCAPE AND DRAINAGE DIVERSION IS THE RESPONSIBILITY OF THE OWNER.

TYPE OF OSSF ALLOWED (Based on Approved Site Evaluation):

- _____ Absorption beds/trenches *
- or _____ Evapotranspiration beds *
- or _____ Alternative System needed. Contact a Professional Engineer or Registered Sanitarian.

Key on Telephone Ped.

*(Standard absorption beds or ET beds may be designed by an Engineer, Sanitarian, Installer II or the homeowner.)

MINIMUM SETBACK DISTANCES: TANK – 5 ft. from house, 5 ft. from property line, 50 ft. from water well. FIELD – 5 ft. from house, 5 ft. from property line, 100 ft. from water well, 10 ft. from water line, 75 ft. from body of water.

OTHER: P3 17" Brown Heavy III
 34" Lt. Brown III
 50" Tan III
 P4 7" Heavy Brown III
 28" Lt. Brown III
 40" Tan III
 P5 4" Brown III
 20" Lt. Brown III
 40" Tan III
 75% rock
 30" rock
 ALL VARIANCE REQUESTS MUST BE APPROVED PRIOR TO INSPECTION.

PIPE & GRAVEL: Tank connected to house and valve; cleanout between structure and tank; fittings in place; full of clean water to flow line. Schedule 40 equivalent, 1/8" per foot fall from house to tank; 1" per 100' from tank to valve. Filter required at outlet; cleanout between tank & valve within 1' of tank outlet. Fields/trenches excavated, level, 12" lower than tank flow line; 18"-36" deep. Gravel & pipe in place; voids left for inspection. Distribution pipes must be level with 6" of gravel below pipes. Total gravel required is 12". Monitor wells at far ends of fields. Filter fabric, all sand & sandy loam **MUST** be on site.

LANDSCAPE INSPECTION: Properly backfilled with sand & sandy loam. Area over fields/trenches **MUST** be mounded 4" or more. Grass must be planted over this area.

EVALUATION OF PROFILE HOLE #1	
DEPTH	SOIL DESCRIPTION
10" 18"	Brown silty clay loam III
20"	Lt. Brown / orange silty clay loam III
30" 32"	Tan silty clay loam III
40"	w/ severely weathered limestone
50" 57"	Rock Bottom?
60"	
70"	

WCCHD USE

APPROVAL OF SITE EVALUATION: YES / NO

(IF YES, PLEASE SUBMIT DESIGN ACCORDING TO TYPE OF OSSF ALLOWED)

Explanation:

OS 8626

Cl. 239

EVALUATION OF PROFILE HOLE #2	
DEPTH	SOIL DESCRIPTION
10"	Brown silty clay loam III
20" 17"	Lt. Brown / orange silty clay loam III
30" 37"	Tan silty clay loam III
40"	w/ severely weathered limestone
50" 57"	Rock Bottom?
60"	
70"	

NO CONSTRUCTION MAY BEGIN UNTIL A DESIGN IS APPROVED BY THE WCCHD. IF GROUNDWATER IS ENCOUNTERED, STOP CONSTRUCTION AND CONTACT OUR OFFICE.

INSPECTOR [Signature] DATE 3-14-06



Williamson County and Cities Health District

303 Main St.
Georgetown TX 78626-
(512) 930-4390

OSSF #: **2006 - 781**

NEW

Permit Application Only. Application does not guarantee that a permit to operate an On-Site Sewage Facility (OSSF) will be granted.
The WCCHD recommends that construction of the home/structure begin only after receipt of a Permit to Construct an OSSF.
The WCCHD will issue a Permit to Construct the OSSF after receipt and review of all required planning material.

APPLICATION FOR A LICENSE TO OPERATE AN ON-SITE SEWAGE FACILITY

**** VALID FOR ONE YEAR FROM DATE OF APPLICATION ****

Date: 2/14/06 Residential 3 Bedrooms 2734 Sq Ft Well on site Public Water
 Legal: J.A.F. GRAVES SURVEY, A-244 Engineered
 Block: GEORGETOWN Lot: TRACT 2 Lot Size: 24.28 AC Routine Maint.
 Location: 3935 CR 239, Georgetown-Tx 76537 78628
 Owner: CONLIN, PAMELA G. Phone: (254) 657-2626 Home
 Mailing address: P.O. BOX 453, HOLLAND TX 76534 Cell (254) 913 4381
 Fee: \$285.00 Payment: CK 2008
 Certificate of Compliance:
 Fee: \$25.00 CK 2008
 Additional fee: \$80.00 Single Lot Review – OSSF Total payment: **\$390.00**

Warning:

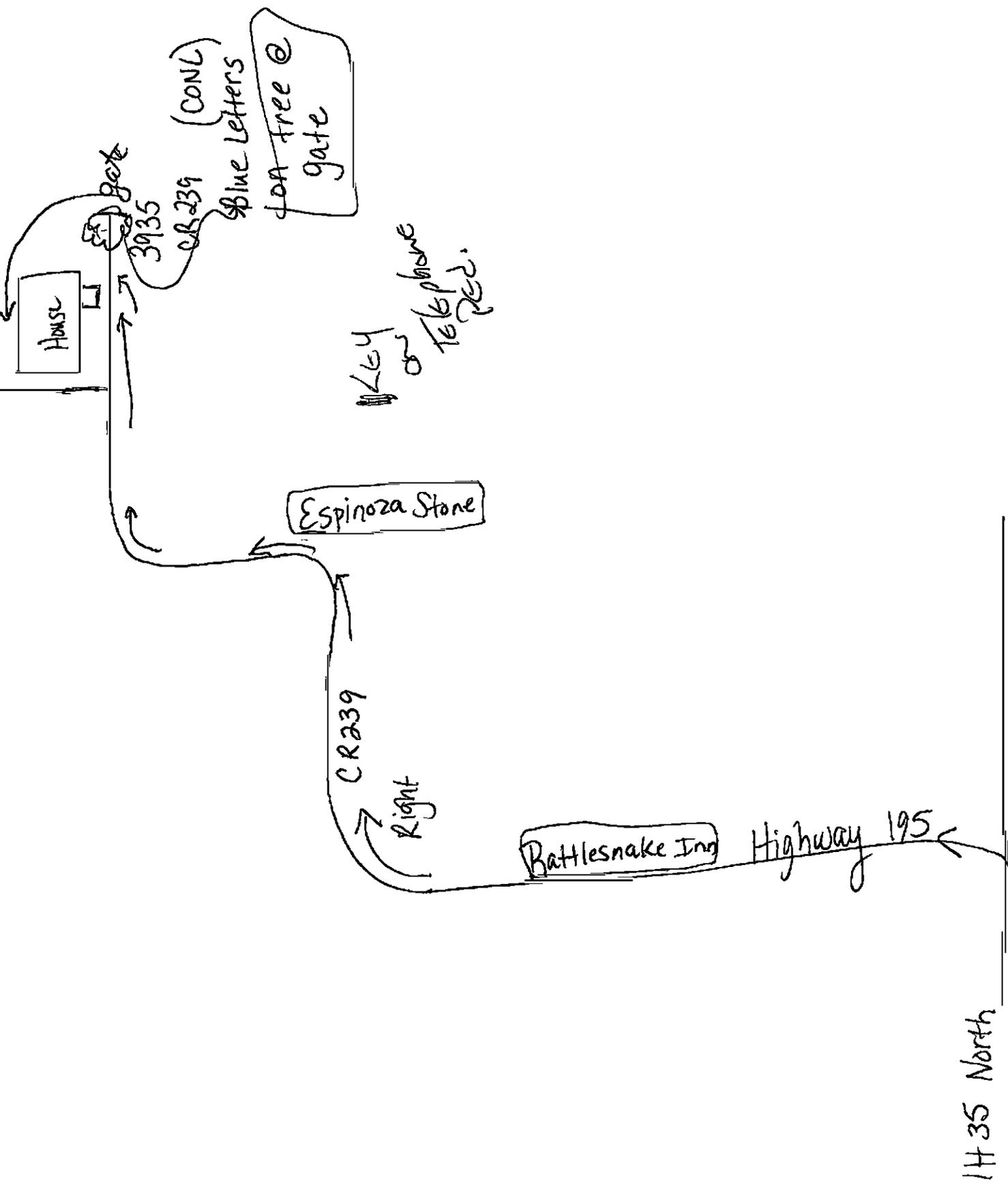
The flood hazard boundary maps and other flood data used by the County and Williamson County and Cities Health District (WCCHD) in evaluating flood hazards for proposed developments are considered reasonable and accurate for regulatory purposes. Flood Plain determinations are based solely on the property owner's indication of the proposed home-site/ structure. On occasion greater floods can and will occur and flood heights may be increased by man-made and natural causes. The County cannot guarantee the property will not flood. Exempting the property owner from the Flood Plain Management Regulations does not create any liability on the part of the county or the WCCHD or any officer or employee of the County or the WCCHD in the event that flooding and/or flood damage does occur. Ultimate responsibility of locating the home/structure outside of the flood plain rests with the property owner. The WCCHD recommends that the property owner contact a surveyor prior to construction for precise flood plain determination.

I acknowledge the above warning. I certify I am the property owner / designated agent, and the above statements are true and correct.

Signature Pamela G. Conlin Date 02/14/06

FLOOD PLAIN STATUS = Exempt

Environmental Services Official Annie K... Date 2/14/06 RGK



04036423

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OF THE FOLLOWING INFORMATION FROM THIS INSTRUMENT BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.2

WARRANTY DEED WITH VENDOR'S LIEN

Date: November 19, 2004

Grantor: TRUMAN D. STONE and wife, PAULA K. STONE

Grantor's Mailing Address (including county):

4871 West FM 487
Jarrrell, Texas 786537
Williamson County

Grantee: PAMELA G. CONLIN

Grantee's Mailing Address (including county):

P.O. Box 453
Holland, Texas 76534
Bell County

Consideration: TEN AND NO/100 DOLLARS and other good and valuable consideration and the further consideration of two notes of even date, executed by Grantee, which will be described in this paragraph and referred to as the first-lien note and second-lien note. Payment of both notes is secured in part by the vendor's liens retained in this deed. The first-lien note is in the principal amount of ONE HUNDRED AND TWENTY-THREE THOUSAND SIX HUNDRED AND NO/100 DOLLARS (\$123,600.00), payable to the order of TEXAS LAND BANK, FLCA in consideration of said TEXAS LAND BANK, FLCA having advanced funds to Grantor for the full amount of the note. It is secured by first, prior, and superior vendor's liens on the property and by a first-lien deed of trust of even date, from Grantee to CHARLES P. GANT, Trustee. The second-lien note is in the principal amount of TWENTY-FOUR THOUSAND ONE HUNDRED THIRTY-SIX AND NO/100 DOLLARS (\$24,136.00), payable to the order of TRUMAN D. STONE and wife, PAULA K. STONE; and JEFF STOCKTON, d/b/a STOCKTON REAL ESTATE in consideration of said TRUMAN D. STONE and wife, PAULA K. STONE; and JEFF STOCKTON, d/b/a STOCKTON REAL ESTATE having advanced funds to Grantor for the full amount of the note. The second-lien note is secured by second, subordinate, and inferior vendor's liens on the property and by a second-lien deed of trust of even date, from Grantee to DAVID DARNELL, Trustee.

The first vendor's lien and superior title retained in this deed secure payment of the first-lien note and they are transferred to TEXAS LAND BANK, FLCA without recourse on Grantor. The second vendor's lien and superior title secure payment of the second-lien note, and they are transferred to TRUMAN D. STONE and wife, PAULA K. STONE; and JEFF STOCKTON, d/b/a STOCKTON REAL ESTATE without recourse on Grantor. All liens securing payment of the second-lien note are second, subordinate, and inferior to the first-lien note, to any renewals and extensions of the first-lien note, and to all liens securing payment of the first-lien note. If Grantee defaults in the payment of the first-lien note or in observance of any covenant or condition of any instrument securing its payment, TRUMAN D. STONE and wife, PAULA K. STONE; and JEFF STOCKTON, d/b/a STOCKTON REAL ESTATE shall have the right to foreclose the second vendor's lien.

Property (including any improvements):

TWO TRACTS of Land out of the J.A.F. GRAVES SURVEY, Abstract No. 244 in Williamson County, Texas, the former ~~consisting~~ of 22.29 acres, the latter of 24.28 acres, more particularly described by metes and bounds in Exhibits "A" and "B" attached hereto and made a part hereof for all purposes.

Reservations From and Exceptions to Conveyance and Warranty:

Easements, rights-of-way, and prescriptive rights, whether of record or not; all presently recorded instruments, other than liens and conveyances, that affect the property; taxes for the current year, the payment of which Grantee assumes.

RETURN TO



DEED

2004090448



Langhorn Title Co., Inc

4 PGS

CHISHOLM-TRAIL

SPECIAL UTILITY DISTRICT

P. O. Box 249 • Florence, Texas 76827 • (254) 793-3103
chisholmtrailwater.org

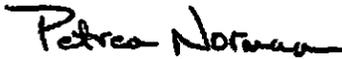
May 02, 2006

RE: Permit # 2006-781 3935 County Road 239

Dear Sir or Madam:

Chisholm Trail SUD is currently servicing water to 3935 County Road 239 for Pamela Conlin. If you have any questions or need more information, please contact the office.

Thank you,



Petrea Norman
Customer Service Representative

RECEIVED

MAY 02 2006

WCCHD-ENV

OSSF SOIL EVALUATION

06
781

Date Performed: 3-3-06

Property Location: 3935 CR 239

Proposed Excavation Depth: 18-36"

Name of Site Evaluator: Daniel Reeder R.S.

License Number: 10510

Requirements:

At least two soil excavations must be performed on the site, at opposite ends of the proposed disposal area. Locations of soil borings or dug pits must be shown on the site drawing.

For subsurface disposal, soil evaluations must be performed to a depth of at least two feet below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated.

Describe each soil horizon and identify any restrictive features on the form. Indicate depths where features appear.

Soil Boring Number: 1					
Depth (Inches)	Textural Class	Structure (If applicable)	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0"	ClassIII Clay Loam 0-13"	Blocky	None	No	Dark soil with limestone particles >2mm < 30% by volume
12"	ClassIII Sandy Clay 13-27"	Blocky	None	No	Reddish Tan with limestone particles >2mm < 30% by volume
24"					
36"	ClassIII Silty Clay Loam 27-57"	Blocky	None	No	Off white soil with limestone particles >2mm < 30% by volume
48"					
60"				57" Rock	Limestone Possibly solid

Soil Boring Number: 2					
Depth (Inches)	Textural Class	Structure (If applicable)	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0"	ClassIII Clay Loam 0-15"	Blocky	None	No	Dark soil with limestone particles >2mm < 30% by volume
12"					
24"	ClassIII Sandy Clay 15-33"		None	No	Reddish tan with limestone particles >2mm < 30% by volume
36"	ClassIII Silty Clay Loam 33-58"	Blocky	None	No	Off white with limestone particles >2mm < 30% by volume
48"					No evidence of groundwater
60"			RECORDED	58" Rock	Limestone Possibly solid

Soil Boring Number: 3

Depth (Inches)	Textural Class	Structure (If applicable)	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0"	Class III Clay Loam 0-14"	Blocky	None	No	Dark marginal soil with limestone particles >2mm < 30% by volume
12"			None		
24"	Class III Sandy Clay 14-30"	Blocky	None	No	Reddish Tan with limestone >2mm < 30% by volume
36"	Class III Silty Clay Loam 30-60"	Blocky	None	No	Off white soil with limestone >2mm < 30% by vol
48"					
60"					

Soil Boring Number: 4

Depth (Inches)	Textural Class	Structure (If applicable)	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0"	Class III Clay Loam 0-8"	Blocky	None	No	Dark marginal soil with limestone particles >2mm < 30% by volume
12"	Fractured Rock Layered 8-30"		None	Yes Fractured Layered Limestone	highly weathered limestone layered formation
24"					
36"	Class III Silty Clay Loam 30-50"	Blocky	None	No	Tan / off white soil with limestone < 30% by vol
48"					
60"				50" Rock	Limestone Possibly solid

Soil Boring Number: 5

Depth (Inches)	Textural Class	Structure (If applicable)	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0"	Class III Clay Loam 0-8"	Blocky	None	No	Dark marginal soil with limestone particles >2mm < 30% by volume
12"	Fractured Rock Layered 8-30"		None	Yes Fractured Layered Limestone	highly weathered limestone layered formation
24"					
36"	Class III Silty Clay Loam 30-48"	Blocky	None	No	Off white color with limestone particles >2mm < 30% by volume
48"				48" Rock	Limestone possibly solid
60"					

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability.

Site Evaluator:

Name: Dennis [Signature] Signature: [Signature] License No.: 10510

3-3-06

OSSF NUMBER: 10510

Applicant Information:

Name: Pam Conlin
Address: 3935 CR 239
City: Georgetown State: TX
Zip Code: 78628 Phone: Fax:

Site Evaluator Information:

Name: Daniel Reeder
Address: 401 Cottingham
City: Temple State: TX
Zip Code: 76504 Phone: 254 742-2777 Fax: 254 742-2755

Property Location:

Lot: Block: Subdivision:
County: Williamson Unincorporated Area? Y
City: Zip Code:
Additional Information:

Installer Information:

Name: Daryl Scott Stroud
Address: 12994 SHADE HILL LN
City: Holland State: Tx
Zip Code: 76534 Phone: 254-541-1213 Fax: 254-657-2947

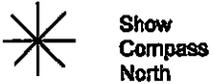
Schematic of Lot or Tract

Show:
Compass North, adjacent streets, property lines, property dimensions, location of buildings, easements, swimming pools, water lines, and other structures where known.
Location of existing or proposed water wells within 150 feet of property.
Indicate slope or provide contour lines from the structure to the farthest location of the proposed soil absorption or irrigation area.
Location of soil borings or dug pits (show location with respect to a known reference point).
Location of natural, constructed, or proposed drainage ways, (streams, ponds, lakes, rivers, high tide of salt water bodies) water impoundment areas, cut or fill bank, sharp slopes and breaks.

Lot size (acres): 24.28

SITE DRAWING

Scale: 1 inch = 50 feet



See Site Drawing

RECORDED
WCOB COUNTY

Based on this site evaluation, the following systems may be utilized:

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> CONVENTIONAL | <input checked="" type="checkbox"/> LEACHING CHAMBER | <input checked="" type="checkbox"/> SURFACE IRRIGATION |
| <input checked="" type="checkbox"/> DRIP | <input checked="" type="checkbox"/> LPD | <input type="checkbox"/> OTHER |
| <input type="checkbox"/> ET | <input checked="" type="checkbox"/> MOUND | |
| <input type="checkbox"/> GRAVELESS | <input checked="" type="checkbox"/> SOIL SUBSTITUTION | |

Features of Site Area

Presence of 100 year flood zone	Yes _____	No <u> X </u>
Presence of upper water shed	Yes _____	No <u> X </u>
Presence of adjacent ponds, streams, water impoundments	Yes _____	No <u> X </u>
Existing or proposed water well in nearby area(>100'DR)	Yes _____	No <u> X </u>
Organized sewage service available to lot or tract	Yes _____	No <u> X </u>
EARZ features within 150' of OSSF	Yes _____	No <u> X </u>
Evidence of groundwater	Yes _____	No <u> X </u>

Site Evaluator:

Name: Daniel Reeder

Signature: Daniel Reeder

License No.: 10510

Notes: The preferred drainfield area would be in the proximity of test holes 1-3. Test holes 4 & 5 were not able to be excavated as deep therefore Test holes 1-3 were then excavated at a later date.

Single Lot Review Items:

Professional survey to be provided by the home/property owner or builder.

Property is located on CR 239 Just north of Hwy 195 between Hwy 195 and CR 234.

The property is located in the Edwards Aquifer Recharge Zone, however no recharge features found within 150' of any proposed system component.

The property is not included in any 100 year flood plain according to the survey plat supplied by the owner.

The site has positive drainage in the amount of 2-3%. The current drainage patterns should not affect the proper function of the OSSF as proposed.

The site will be served by a public water supply. Any letter of confirmation will be provided by the property owner or builder. There were no wells found within 150' of any system component.

The slope of the lot is stated in percent and shown on the general site plan.

Types of system considered include but are not limited to Conventional, LPP, Drip, Spray, Infiltrator panels, and possibly soil substitution.

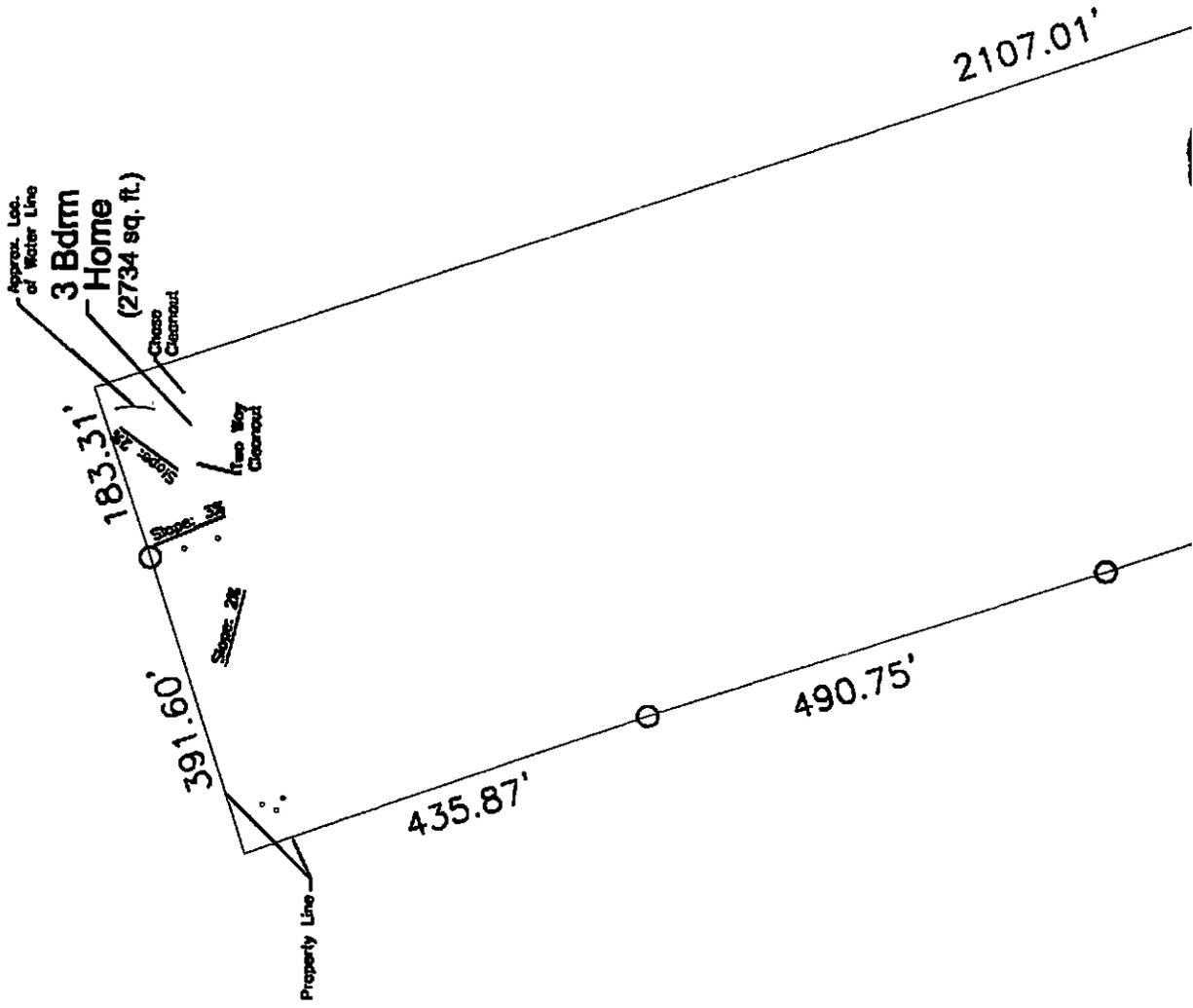
There were no lakes, drainage-ways nor drainage easements that needed to be addressed.

RECEIVED
MAY 03 2006
WCCHD-ENV

DR

OSSF AT: Residence at 3935 CR 239, Georgetown

Tract Size: Approx. 24.28 Acres

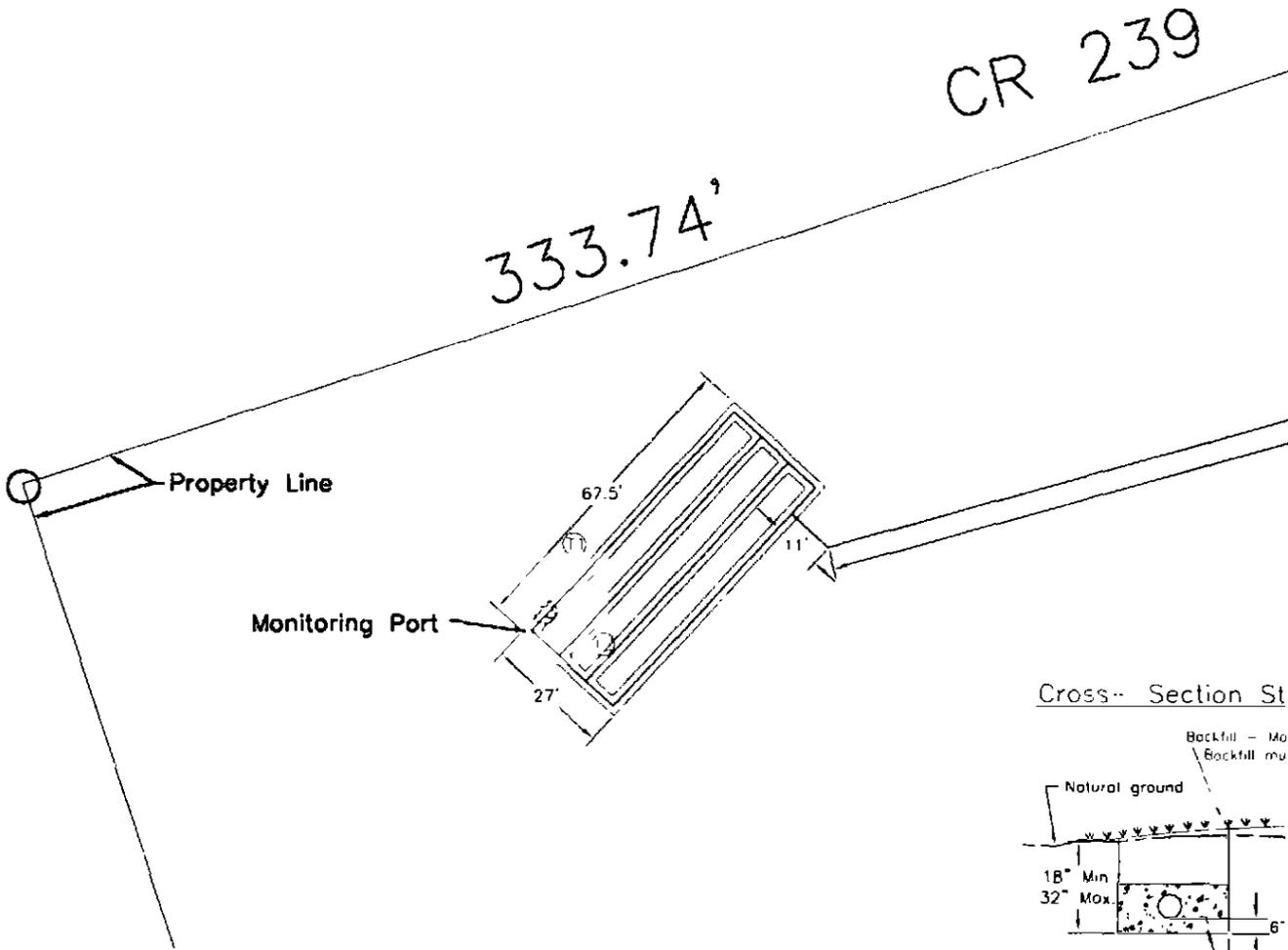


OSSF AT: Residence at 3935 CR 239, Georgetown

Tract Size: Approx 24.28 Acres

Scale: 1"=40'

Note: Path that is currently being used as dr to be abandoned after construction is complete. New drive will be constructed on the opposite side of the house to accommodate the left entry garage.



CALCULATIONS:

Home Size- 3 Bedroom <3,500 sq ft (Low Flow Fixtures) 300 GPD

Disposal Type- Conventional

Soil Type- See Soil Eval.

Application Rate- 0.2 gpd/sq.ft.

Area- 300 gpd/0.2 gpd/sq.ft. =1,500 sq.ft. Req'd

$L=(A-2W)(W+2)$

$L=(1,500-2 \times 3)(3+2)$ trenches 3' wide

L=300 lf

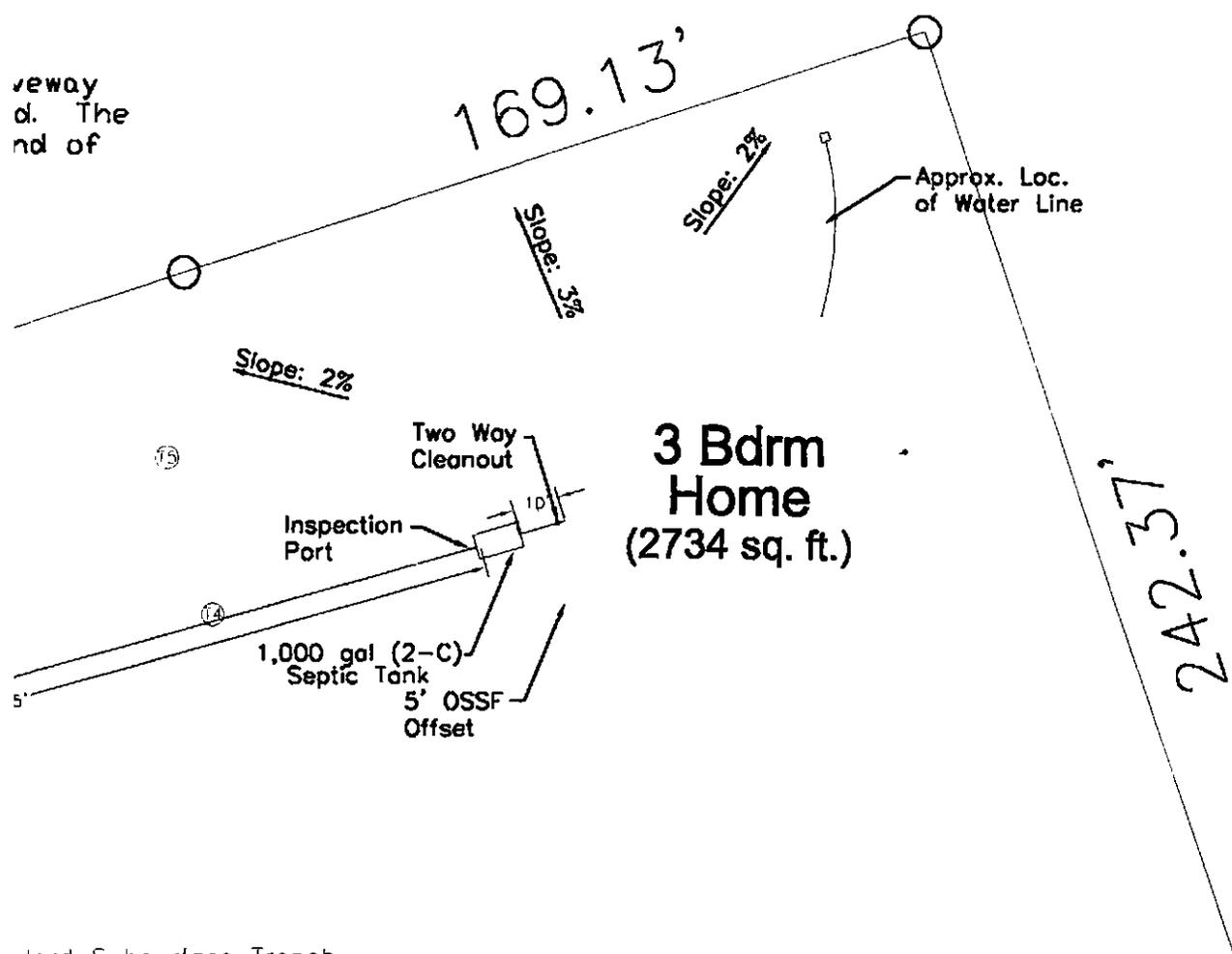
Treatment Area- 4 trenches (3' X 61.5')

& 2 trenches (3' X 27')

Total Trench 300 lf 1,500 SqFt Proposed Area

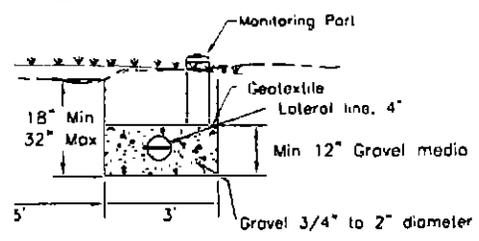
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D. S. ...
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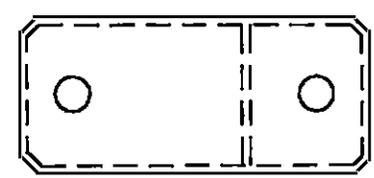
Standard Subsurface Trench

4-6" (above Nature Grade)
meet USDA Class II or Class III Specifications

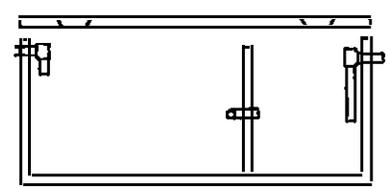


AINFIELD NOTES:

SEPTIC TANK NOTES:



1,000 gal Septic Tank



- 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.

Section 2.04 Site Plan Requirements

(a) 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" = 100'.

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): FIRM Panel: 48491C0125F

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 _____ (#) 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.

Section 2.05 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.

Juarez Stone
CR 239 Quarry

WPAP Attachment A

Factors Affecting Water Quality

The major factor that could potentially affect water quality is sediment in stormwater runoff from disturbed areas. More remote factors include fuels and lubricants from vehicles and equipment and trash/debris items.

Earthen berms, vegetative filter strips and vegetative buffers located downgradient of the disturbed area(s) are proposed to capture sediment and control the flow of stormwater. Upgradient berms prevent run-on to disturbed areas of the site. 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.

WPAP Attachment B

Volume and Character of Stormwater

The area of the proposed final quarry pit, as shown on the WPAP Proposed Conditions Site Map, is approximately 20.3 acres. The stormwater from this disturbed area is anticipated to carry an increased level of total suspended solids (TSS) however, stormwater from this area will be retained in the pit.

Temporary BMPs (rock/earthen berms, vegetative filter strips, etc.) will be used to control stormwater. As quarrying activities continue, the volume of stormwater runoff from the site will be reduced because the quarry pit will ultimately retain the anticipated on-site stormwater runoff.

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.

Section 1.01 Signature

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

Print Name of Customer/Agent: Nicolas E. Mercado P.E., TX License No. 144228, TX Firm No. 4524

Date: 7/3/2023

Signature of Customer/Agent:

Nicolas E. Mercado



Regulated Entity Name: Juarez Stone Quarry #2

Section 1.02 Project Information

Section 1.03 Potential Sources of Contamination

Examples: Fuel storage and use, chemical storage and use, use of asphaltic products, construction vehicles tracking onto public roads, and existing solid waste.

1. Fuels for construction equipment and hazardous substances which will be used during construction:

The following fuels and/or hazardous substances will be stored on the site: _____

These fuels and/or hazardous substances will be stored in:

Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year.

- Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.
- Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.
- Fuels and hazardous substances will not be stored on the site.
- 2. **Attachment A - Spill Response Actions.** A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.
- 3. Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.
- 4. **Attachment B - Potential Sources of Contamination.** A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Section 1.04 Sequence of Construction

- 5. **Attachment C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.
 - For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.
 - For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: Dry Berry Creek

Section 1.05 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: See WPAP Site Map – Proposed Final Conditions
- 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).

Section 1.06 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.

Section 1.07 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.

Juarez Stone
CR 239 Quarry

Temporary Stormwater Section 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 earthen 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 spills with soil or other materials. Do not 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.

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CR 239 Quarry

(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.

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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 Spills

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.

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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.

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CR 239 Quarry

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.
- (4) Equipment fueling will take place within the pit. A trailer with a tank will be on site when needed to fuel. Any base material that becomes contaminated with hydrocarbons will be removed from the site and disposed of properly.

Juarez Stone

CR 239 Quarry

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: _____

Juarez Stone
CR 239 Quarry

Portable Toilet BMPs:

Portable toilets may be used on-site and will be handled in accordance with the following guidelines:

- A licensed waste collector should service all the toilets. **The following tasks will be performed by the portable toilet supplier:**
 - Empty portable toilets before transporting them.
 - Securely fasten the toilets 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.
- 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.

Temporary Stormwater Section Attachment B

Potential Sources of Contamination

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

Temporary Stormwater Section Attachment C

Sequence of Major Activities

The sequence of major construction activities will generally occur in the following order:

- Preliminary clearing;
- Construction of temporary berms;
- Excavation of initial pit area;
- Installation of saws, ponds and other structures

Grading will begin in the wet saws plant areas, as shown on the attached WPAP Proposed Initial Conditions Site Map. The construction entry/exit will be constructed from the private unnamed drive that extends west from County Road 239. The wet saws, the choppers and ucheer saw will sit within the existing pit on a one-foot thick compacted base pad, and the entry/exit will be graded to drain to a vegetative filter strip. Operations roads will be graded and compacted.

Juarez Stone
CR 239 Quarry

Overburden from portions of the initial 10-acre quarry area will be used for earthen berms. Temporary earthen berms will be built as a result of overburden removal and will retain stormwater runoff from disturbed areas. The plant and stockpiles will be located in the initial 10-acres bermed area until enough area is cleared to relocate them into the pit. A wet saws plant and pond will be constructed in the northwestern portion of the site inside of the pit. As the quarry expands to the Final Earthen Berms, the temporary earthen berms will expand with it. A 25-foot Final Vegetative Buffer will be maintained from the pit wall. A final earthen berm will barrier off the edge of the pit wall. At the end of the project, stormwater will be retained in the quarry pit.

Juarez Stone
CR 239 Quarry

Temporary Stormwater Section Attachment D

Temporary Best Management Practices (TBMPs) and Measures

7a) TBMPs and measures will prevent pollution of surface water, groundwater and stormwater that originates upgradient from the site and flows across the site.

As the initial plant area is cleared and topsoil is removed, earthen berms will be constructed. These berms will direct upgradient stormwater runoff around disturbed areas of the site.

As the size of the quarry expands, the earthen berms will expand throughout the life of the project, up to the Final Earthen Berm and Final Vegetative Buffer. A vegetative buffer with a minimum width of 25 feet will be maintained outside of the Final Earthen Berm. This vegetative buffer will serve as a final treatment for stormwater runoff leaving the active portion of the site. No groundwater is expected to be encountered on-site.

7b) TBMPs and measures will prevent pollution of surface water, groundwater and stormwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.

As the size of the quarry expands, the earthen berms will expand throughout the life of the project to the Final Earthen Berm. In addition, a vegetated buffer with a minimum width of 25 feet will be maintained outside of the Final Earthen Berm. This will serve as a Final Vegetative Buffer for stormwater runoff leaving the active portion of the site.

Most of the internal driveway shall be graded so that on-site stormwater will not leave the site. Runoff from the driveway and parking area will be directed to the surrounding vegetative filter strips.

It is not expected that any significant amount of groundwater will be encountered in the quarry excavation. A 25-foot separation distance between the pit floor and the groundwater level will be maintained. Pollution of surface water, groundwater, or runoff that originates from, or flows from, the project area will be mitigated by the use of temporary earthen and rock berms and vegetative filter strips.

7c) TBMPs and measures will prevent pollution of surface streams, sensitive features stormwater and the aquifer.

Earthen berms and vegetated areas will be maintained (as shown on the attached WPAP Site Map) to prevent pollutants from entering surface streams and the aquifer.

As the size of the quarry expands, the earthen berms will expand throughout the life of the project, up to the Final Earthen Berm and Final Vegetative Buffer. A vegetated buffer with a minimum width of 25 feet will be maintained outside of the Final Earthen Berm. This vegetated buffer will serve as a final treatment for stormwater runoff leaving the active portion of the site.

Juarez Stone
CR 239 Quarry

Any possible sensitive geologic features discovered during construction will be evaluated by a Professional Geoscientist and if determined to be sensitive, will be reported to TCEQ. An appropriate method for addressing the feature will be formulated by a Professional Geoscientist or Professional Engineer and upon approval by TCEQ the method to protect the feature will be implemented. Work will not resume in the area of the feature until the TCEQ approved method for addressing the feature has been carried out. To the maximum extent possible, TBMPs and measures will maintain flow to any naturally occurring sensitive features identified during construction in the manner determined by the Professional Geoscientist as described above.

7d) To the maximum extent practicable TBMPs and measures will maintain flow to naturally-occurring sensitive features identified in the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.

There were no sensitive features identified during the geological assessment.

Juarez Stone, Inc. will provide feature recognition training to mining staff within 90 days of starting operations at this facility. Initial feature recognition training will also be provided to applicable new employees (site supervisors and quarry operators) within 90 days of hire. Refresher training will be provided to quarry operators as needed. All training will be conducted by the Site Supervisor or his designee using a training program prepared by a Professional Geoscientist.

The site supervisor or his designee will maintain records of when features are identified by mining staff. These records will include the date the feature was identified, the general location of the feature, a general description of the feature, and what action was taken regarding the potential feature. These records will be maintained for five years and will be made available to the TCEQ upon request.

Any new possibly sensitive geologic feature discovered by mining staff will be handled in the following manner. Sediment that can be easily removed from the area adjacent to the feature without disturbing the feature will be removed. Then a rock berm will be placed around the feature to control and filter any potential flows into the feature. After placement of the rock berm, the active work area of the quarry will be moved to another portion of the pit where the feature cannot be impacted by the continuing quarry operations. A Professional Geoscientist will be called to the site to observe and rate the feature. If the feature is determined to be sensitive in accordance with TAC 213 rules, the TCEQ will be notified and an appropriate method for addressing the feature will be formulated and submitted for TCEQ approval. Work will not resume in the area of the feature until the TCEQ approved method for addressing the feature has been carried out.

Juarez Stone
CR 239 Quarry

Temporary Stormwater Section Attachment F

Structural Practices

Temporary best management practices proposed for the quarry area will include earthen berms and natural vegetative filter strips. The vegetated filter strips are used to limit runoff discharge of sediment. The earthen berms are used to contain and limit runoff discharge of pollutants from exposed areas of the site as well as to divert flows away from exposed (disturbed) soils.

Temporary Stormwater Section Attachment G

Drainage Area Map

See WPAP Site Map.

Temporary Stormwater Section Attachment I

Inspection and Maintenance for BMPs

The pit entrance should be inspected weekly and after each rainfall event that exceeds 0.5 inches. Vegetative filter strips and earthen berms should be inspected monthly and after each rainfall event that exceeds 0.5 inches. Written documentation of these inspections should be kept during the course of construction at the project site (see following example Inspection Form.) Any erosion of berms should be backfilled and compacted as soon as possible. Trash should be removed and any eroded areas of filter strips should be reseeded.

It is not anticipated that dewatering of the pit will be required. However, if 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.

Juarez Stone
CR 239 Quarry

Temporary Stormwater Section Attachment J

Schedule of Soil Stabilization Practices

Areas Outside The Pit:

Cleared areas and interim berms may be disturbed for more than 14 days without stabilization because it is not practical to be continually stabilizing small areas prior to their excavation or stabilizing the berms that are frequently relocated. Minimum 25-foot wide vegetative filter strips and mulch will serve to treat runoff from the earthen berms. The purpose of soil stabilization is to control erosion and prevent pollutants from entering surface waters, streams, and the aquifer through sensitive recharge features. Areas outside of the pit that are disturbed for quarrying are generally drilled and blasted within 90 days. It is not feasible or appropriate to try to stabilize these areas with vegetation because 1) the topsoil has been removed and vegetation will not readily grow; 2) these areas will soon be excavated and; 3) other BMPs will be used to protect stormwater runoff quality from these areas in a manner consistent with customary and acceptable mining practices.

Because the soils and overburden in these cleared areas have been removed and placed in earthen berms adjacent to the cleared areas, erosion of these areas is mitigated. The earthen berms upgradient of the cleared areas divert upgradient stormwater away from cleared areas and earthen berms downgradient of cleared areas retain stormwater runoff from the cleared area. The proposed BMPs provide adequate protection for the area outside of the pit.

For the case when the quarry operations have been completed (permanently ceased) all stormwater will be retained in the pit. The Final Earthen Berms outside the pit will be stabilized with native grasses. The undisturbed vegetative buffer adjacent to the Final Earthen Berm as shown on the WPAP Site Map will remain undisturbed so no additional stabilization practices will be needed.

Areas Inside The Pit:

Areas inside the pit do not need to be stabilized; the requirement for soil stabilization exists in order to control erosion and prevent pollutants from entering surface waters, streams and the aquifer through sensitive recharge features. The disturbed soils in the quarry pit will be retained in the pit thereby eliminating the need for soil stabilization in the pit to prevent pollutants from entering surface waters or streams. In addition, it is not practical to stabilize areas of the pit with vegetation because often times areas of the pit will not be active for some period of time, then be reactivated. Therefore, since the disturbed areas will be located in the pit no soil stabilization is expected to be necessary at the completion of the project.

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.

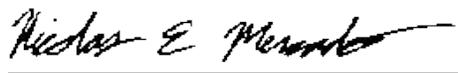
Signature

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: Nicolas E. Mercado P.E., TX License No. 144228, TX Firm No. 4524

Date: 7/3/2023

Signature of Customer/Agent





Regulated Entity Name: Juarez Stone Quarry #2

Permanent Best Management Practices (BMPs)

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

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

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

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

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

Responsibility for Maintenance of Permanent BMP(s)

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

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

Juarez Stone
CR 239 Quarry

Permanent Stormwater Section 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:

The temporary earthen berms that are constructed as clearing occurs will expand as the size of the quarry expands. The temporary earthen berms will expand throughout the life of the project to the Final Earthen Berm shown on the WPAP Site Map.

Permanent stormwater controls are those that are to remain in place after construction has been completed. Stormwater will be retained onsite within the quarry pit. The vegetated Final Earthen Berm and Final Vegetative Buffer surrounds most of the site (as shown in the WPAP Site Map – Proposed Final Conditions) will serve as the final Permanent BMPs.

Permanent Stormwater Section 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:

Pollution of surface water, groundwater or stormwater that originates on-site or flows off-site during the life of the quarry will be mitigated by the use of earthen berms with vegetated buffers and/or filter strips, and the pit, which will be constructed as shown on the WPAP Proposed Initial Development map and Proposed Final Conditions map.

*At the time construction is completed at the subject site, on-site stormwater will be retained inside the quarry pit.

Permanent Stormwater Section 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:

During the life of the quarry, temporary earthen berms will be constructed as shown on the WPAP Site Plan to prevent pollutants from entering surface streams and the aquifer. The earthen berms that surround future disturbed areas will expand to the proposed mining limits.

Juarez Stone
CR 239 Quarry

Permanent stormwater controls are those that are to remain in place after construction has been completed. At the time construction is completed at the subject site, on-site stormwater will be retained inside the pit. The vegetated Final Earthen Berm and Final Vegetative Buffer will be located along the property boundary (as shown on the WPAP Site Map).

Any possibly sensitive geologic feature discovered by mining staff will be evaluated by a Professional Geoscientist and if determined to be sensitive, will be reported to TCEQ. An appropriate method for addressing the feature will be formulated by a Professional Geoscientist or a Professional Engineer and upon approval by TCEQ, the method to protect the feature will be implemented. Work will not resume in the area of the feature until the TCEQ approved method for addressing the feature has been carried out.

Permanent Stormwater Section Attachment E

Request to Permanently Seal a Feature

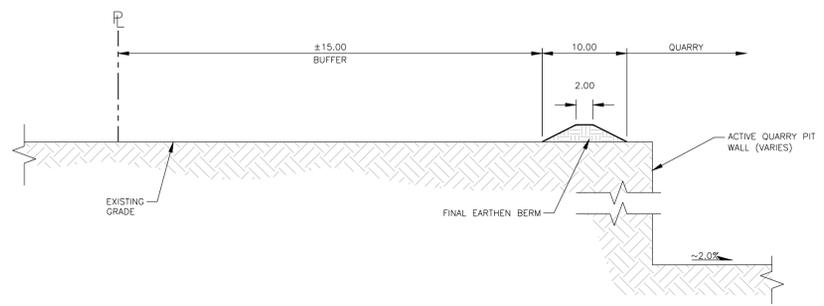
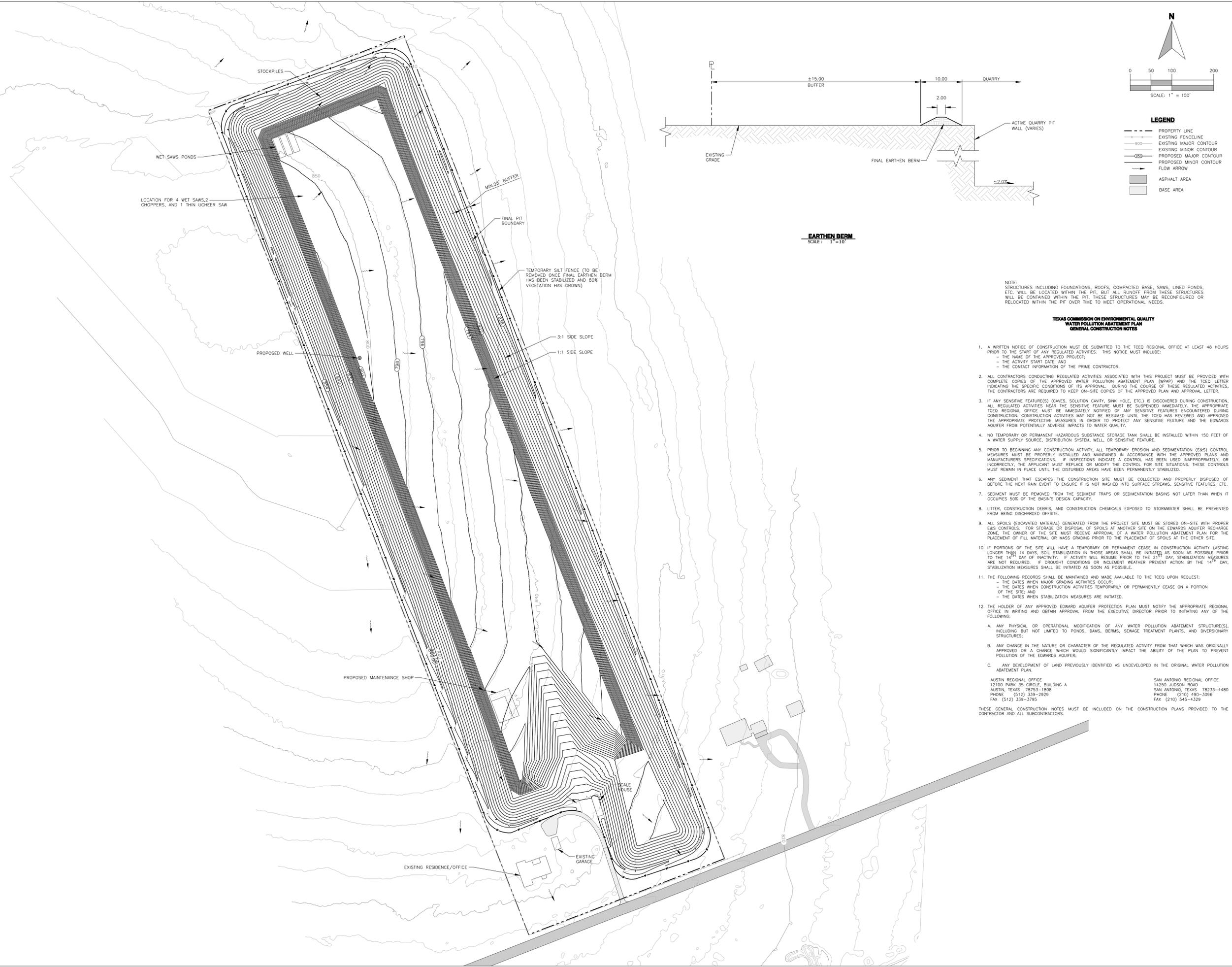
No naturally occurring sensitive features were found on site.

Permanent Stormwater Section Attachment F

Construction Plans

See WPAP Site Map – Proposed Final Conditions.

DATE	BY	DESCRIPTION



EARTHEN BERM
SCALE: 1"=10'

LEGEND

- PROPERTY LINE
- - - EXISTING FENCELINE
- 800' EXISTING MAJOR CONTOUR
- 900' EXISTING MINOR CONTOUR
- 1000' PROPOSED MAJOR CONTOUR
- 1100' PROPOSED MINOR CONTOUR
- > FLOW ARROW
- ▨ ASPHALT AREA
- ▭ BASE AREA

NOTE:
 STRUCTURES INCLUDING FOUNDATIONS, ROOFS, COMPACTED BASE, SAWS, LINED PONDS, ETC. WILL BE LOCATED WITHIN THE PIT, BUT ALL RUNOFF FROM THESE STRUCTURES WILL BE CONTAINED WITHIN THE PIT. THESE STRUCTURES MAY BE RECONFIGURED OR RELOCATED WITHIN THE PIT OVER TIME TO MEET OPERATIONAL NEEDS.

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER POLLUTION ABATEMENT PLAN
GENERAL CONSTRUCTION NOTES**

1. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY REGULATED ACTIVITIES. THIS NOTICE MUST INCLUDE:
 - THE NAME OF THE APPROVED PROJECT;
 - THE ACTIVITY START DATE; AND
 - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN (WPAP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.
3. IF ANY SENSITIVE FEATURE(S) (CAVES, SOLUTION CAVITY, SINK HOLE, ETC.) IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES ENCOUNTERED DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES MAY NOT BE RESUMED UNTIL THE TCEQ HAS REVIEWED AND APPROVED THE APPROPRIATE PROTECTIVE MEASURES IN ORDER TO PROTECT ANY SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.
4. NO TEMPORARY OR PERMANENT HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
5. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND MANUFACTURERS' SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
6. ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.
7. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS NOT LATER THAN WHEN IT OCCUPIES SIZE OF THE BASIN'S DESIGN CAPACITY.
8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
9. ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE MUST BE STORED ON-SITE WITH PROPER E&S CONTROLS. FOR STORAGE OR DISPOSAL OF SPOILS AT ANOTHER SITE ON THE EDWARDS AQUIFER RECHARGE ZONE, THE OWNER OF THE SITE MUST RECEIVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GRADING PRIOR TO THE PLACEMENT OF SPOILS AT THE OTHER SITE.
10. IF PORTIONS OF THE SITE WILL HAVE A TEMPORARY OR PERMANENT CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14TH DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21ST DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14TH DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.
11. THE FOLLOWING RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ 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.
12. THE HOLDER OF ANY APPROVED EDWARDS AQUIFER PROTECTION PLAN MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
 - A. ANY 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;
 - B. ANY 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;
 - C. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN.

AUSTIN REGIONAL OFFICE: 12100 PARK 35 CIRCLE, BUILDING A, AUSTIN, TEXAS 78793-1808
 PHONE: (512) 339-2929, FAX: (512) 339-3795
 SAN ANTONIO REGIONAL OFFICE: 14250 JUDSON ROAD, SAN ANTONIO, TEXAS 78233-4480
 PHONE: (210) 490-3096, FAX: (210) 545-4329

THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

**Juarez Stone
CR 239 Quarry**

Permanent Stormwater Section Attachment G

Inspection, Maintenance, Repair and Retrofit Plan

Final Earthen Berms should be inspected quarterly until stabilized with vegetation. Written documentation of these inspections should be kept during the course of construction at the project site. Significant erosion of berms should be backfilled and compacted as soon as possible.

Vegetated filter strips and buffers should be inspected at least twice annually, until the Final Earthen Berm has been vegetated, for erosion or damage to vegetation. Written documentation of these inspections should be kept during the course of construction at the project site. Bare spots and areas of erosion identified during inspections must be replanted. Trash and debris items should be removed.

Juarez Stone Inc.

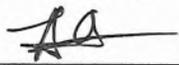
Inspection, Maintenance, Repair and Retrofit Plan

I, Roberto Juarez, 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. Juarez 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

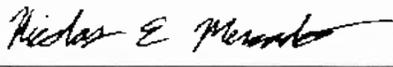
Print Name: Roberto Juarez
Juarez Stone, Inc.

Signature 

Date: 4-8-23

Name and signature of Engineer

Print Name: Nicolas E. Mercado
Westward Environmental, Inc.

Signature 

Date: 7/3/2023



**Juarez Stone
CR 239 Quarry**

Permanent Stormwater Section Attachment I

Measures for Minimizing Surface Stream Contamination

To avoid surface stream contamination from the wet saws plant, parking and maintenance areas, flows will be directed into the quarry pit. Permanent berms will be used to divert upgradient flows around the project area and to direct runoff from the project drainage area to the pond. Because little runoff is expected from the project area due to the pit retaining water, stream flashing, stronger flows, and in-stream velocities are not expected to occur as a result of this project.

In addition, a vegetated buffer with a minimum width of 25 feet will be maintained outside of the Final Earthen Berm, and downgradient of the operations road as shown on the map. This vegetated buffer will serve as a final treatment for stormwater runoff leaving the active portion of the site.

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

I _____ Roberto Juarez _____,
Print Name

_____ Owner _____,
Title - Owner/President/Other

of _____ Juarez Stone, Inc. _____,
Corporation/Partnership/Entity Name

have authorized Gary D. Nicholls, P.E.; Curt G. Campbell, P.E.; Doug S. Millsaps, P.E.;
Vance Houy, P.E.; Andrea Kidd, P.E.; 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:

19

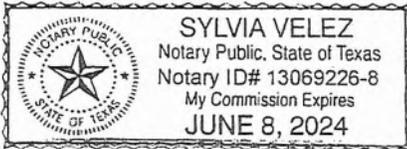
Applicant's Signature

April 4, 2023
Date

THE STATE OF Texas §
County of Williamson

BEFORE ME, the undersigned authority, on this day personally appeared Roberto Juarez 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 4 day of April, 2023



Sylvia Velez

NOTARY PUBLIC

Sylvia Velez

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: June 8, 2024

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Juarez Stone Quarry #2

Regulated Entity Location: 3935 CR 239, Georgetown, Texas

Name of Customer: Juarez Stone, Inc.

Contact Person: Roberto Juarez

Phone: (512) 554-7057

Customer Reference Number (if issued): CN 603861774

Regulated Entity Reference Number (if issued): RN New

Austin Regional Office (3373)

Hays

Travis

Williamson

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

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

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

12100 Park 35 Circle

Mail Code 214

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(512)239-0357

Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	24.256 Acres	\$ 6,500
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: 

Date: 3-31-23

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

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

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

Extension of Time Requests

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



TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)	
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.) NEW PERMIT	
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	3. Regulated Entity Reference Number (if issued)
CN 603861774	RN New

[Follow this link to search for CN or RN numbers in Central Registry**](#)

SECTION II: Customer Information

4. General Customer Information	5. Effective Date for Customer Information Updates (mm/dd/yyyy)	12/6/2022	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Juarez 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)
0800770346	12085773872		
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees	13. Independently Owned and Operated?		
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	711 N 6 th St		
	City	Jarrell	State TX ZIP 76537 ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		juarezstone@gmail.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(512) 554-7057			

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)
Juarez Stone Quarry #2

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	3935 CR 239						
	City	Georgetown	State	TX	ZIP	76537	ZIP + 4
24. County	Williamson						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	N of CR 239 approximately 1.15 mi E of Ronald Reagan Blvd								
26. Nearest City	Jarrell			State	Texas		Nearest ZIP Code	78633	
27. Latitude (N) In Decimal:	30.783889		28. Longitude (W) In Decimal:	97.676111					
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds				
30	47	2	97	40	34				
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:	711 N 6 th St								
	City	Jarrell	State	TX	ZIP	76537	ZIP + 4		
35. E-Mail Address:	juarezstone@gmail.com								
36. Telephone Number	(512) 554-7057		37. Extension or Code			38. Fax Number (if applicable)			

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

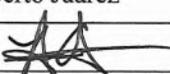
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review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

SECTION IV: Preparer Information

40. Name:	Nicolas Mercado		41. Title:	Project Engineer	
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(830) 249-8284		(830) 249-0221	nmercado@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:	Juarez Stone, Inc.		Job Title:	Owner	
Name (In Print):	Roberto Juarez			Phone:	(512) 554-7057
Signature:				Date:	3-31-23