Far South Mining, LLC

Water Pollution Abatement Plan and Aboveground Storage Tank Facility Plan

Needmore Ranch Quarry
Fulton Ranch Road
Wimberley, Texas 78666
Hays County

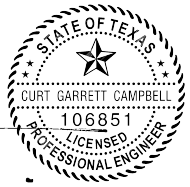
Submitted to: TCEQ Region 11, Austin

Prepared By:

WESTWARD
Environmental. Engineering. Natural Resources.

Boerne, Texas
830-249-8284

Date: August 2023
Project No. 10387.052
-MG-



Signature: _____
Curt G. Campbell, PE - License No. 106851
TX PE Firm No. 4524
Date: 9/1/2023

EDWARDS AQUIFER APPLICATION COVER PAGE

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: Far South Mining, LLC Needmore Ranch Quarry						**2. Regulated Entity No.:** RN111188637			
3. Customer Name: Far South Mining, LLC						**4. Customer No.:** CN604026567			
5. Project Type: **(Please circle/check one)**	New		Modification			Extension		Exception	
6. Plan Type: **(Please circle/check one)**	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential		Non-residential			**8. Site (acres):**		200 Acres	
9. Application Fee:	$14,550.00		**10. Permanent BMP(s):**			Vegetated filter strips & perimeter buffer			
11. SCS (Linear Ft.):	N/A		**12. AST/UST (No. Tanks):**			7 ASTs			
13. County:	Hays		**14. Watershed:**			Blanco River Watershed			

Application Distribution

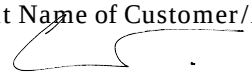
Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which 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

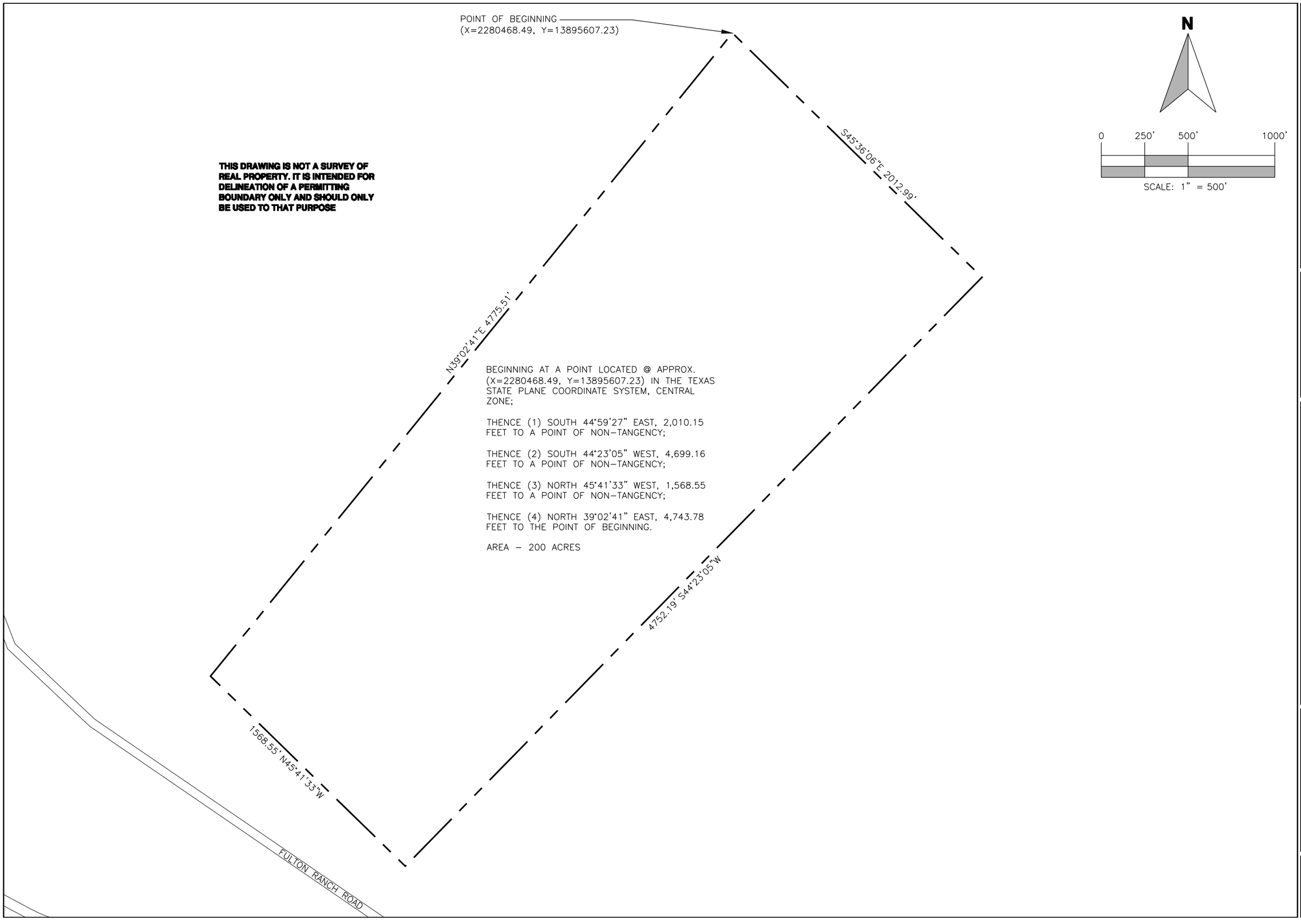
For more detailed boundaries, please contact the conservation district directly.

Austin Region			
County:	**Hays**	**Travis**	**Williamson**
Original (1 req.)	1	N/A	N/A
Region (1 req.)	1	N/A	N/A
County(ies)	1	N/A	N/A
Groundwater Conservation District(s)	N/A Edwards Aquifer Authority 1 Barton Springs/ Edwards Aquifer N/A Hays Trinity N/A Plum Creek	__Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	N/A Austin N/A Buda N/A Dripping Springs N/A Kyle N/A Mountain City N/A San Marcos N/A Wimberley N/A Woodcreek	__Austin __Bee Cave __Pflugerville __Rollingwood __Round Rock __Sunset Valley __West Lake Hills	__Austin __Cedar Park __Florence __Georgetown __Jerrell __Leander __Liberty Hill __Pflugerville __Round Rock

San Antonio Region					
County:	**Bexar**	**Comal**	**Kinney**	**Medina**	**Uvalde**
Original (1 req.)	__	__	__	__	__
Region (1 req.)	__	__	__	__	__
County(ies)	__	__	__	__	__
Groundwater Conservation District(s)	__ Edwards Aquifer Authority __Trinity-Glen Rose	__Edwards Aquifer Authority	__Kinney	__EAA __Medina	__EAA __Uvalde
City(ies) Jurisdiction	__Castle Hills __Fair Oaks Ranch __Helotes __Hill Country Village __Hollywood Park __San Antonio (SAWS) __Shavano Park	__Bulverde __Fair Oaks Ranch __Garden Ridge __New Braunfels __Schertz	NA	__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. Curt Campbell, P.E. Print Name of Customer/Authorized Agent
 9/1/2023 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):	



THIS DRAWING IS NOT A SURVEY OF REAL PROPERTY. IT IS INTENDED FOR DELINEATION OF A PERMITTING BOUNDARY ONLY AND SHOULD ONLY BE USED TO THAT PURPOSE

BEGINNING AT A POINT LOCATED @ APPROX. (X=2280468.49, Y=13895607.23) IN THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE;

THENCE (1) SOUTH 44°59'27" EAST, 2,010.15 FEET TO A POINT OF NON-TANGENCY;

THENCE (2) SOUTH 44°23'05" WEST, 4,699.16 FEET TO A POINT OF NON-TANGENCY;

THENCE (3) NORTH 45°41'33" WEST, 1,568.55 FEET TO A POINT OF NON-TANGENCY;

THENCE (4) NORTH 39°02'41" EAST, 4,743.78 FEET TO THE POINT OF BEGINNING.

AREA – 200 ACRES

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

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED PROFESSIONAL ENGINEER

Curtis G. Campbell, P.E.
License No. 106851

10/2/2023

METES & BOUNDS EXHIBIT
FAR SOUTH WPAP & AST
FAR SOUTH MINING, LLC
SAN MARCOS, TX. 78666

REV.	DESCRIPTION	BY	DATE

IMAGE:

ISSUE DATE:	09/25/2023
DRAWN BY:	MRM
CHECKED BY:	CGC
SCALE: 1" =	500'
JOB NO.:	10387-052

SHEET NO.:
1
OF 1

TCEQ GENERAL INFORMATION FORM

General Information Form

Texas Commission on Environmental Quality

For Regulated Activities on the Edwards Aquifer Recharge and Transition Zones and Relating to 30 TAC §213.4(b) & §213.5(b)(2)(A), (B) Effective June 1, 1999

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

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

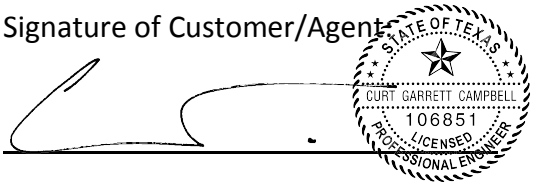
Signature

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

Print Name of Customer/Agent: Curt Campbell, P.E.

Date: 9/1/2023

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Far South Mining Needmore Ranch Quarry
2. County: Hays County
3. Stream Basin: Blanco River Watershed/ Sink Creek
4. Groundwater Conservation District (If applicable): Barton Springs/ Edwards Aquifer Conservation District
5. Edwards Aquifer Zone:

   ☑ Recharge Zone
   ☐ Transition Zone

6. Plan Type:

   ☑ WPAP
   ☐ SCS
   ☐ Modification
   ☑ AST
   ☐ UST
   ☐ Exception Request

7. Customer (Applicant):

Contact Person: Zachary Tausch
Entity: Far South Mining, LLC
Mailing Address: 8845 W Loop 1604 N
City, State: San Antonio, Texas Zip: 78254
Telephone: (210) 382-5866 FAX: _____
Email Address: ksbptc@msn.com

8. Agent/Representative (If any):

Contact Person: Curt Campbell, PE
Entity: Westward Environmental, Inc.
Mailing Address: 4 Shooting Club Road
City, State: Boerne, Texas Zip: 78006
Telephone: (830) 249-8284 FAX: (830) 249-0221
Email Address: ccampbell@westwardenv.com

9. Project Location:

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

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

FROM THE INTERSECTION OF RANCH ROAD 12 AND FULTON RANCH RD TRAVEL 2.5 MI N ON FULTON RANCH RD TO PRIVATE GATE AT SITE ENTRANCE ON RIGHT

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: November 11, 2022

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: Undeveloped and partially cleared

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: N/A - This project will not occur within the Transition Zone.

(1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);

(2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and

(3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

18. The fee for the plan(s) is based on:

- [x] 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.
- [x] 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. [x] 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
- [x] 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)

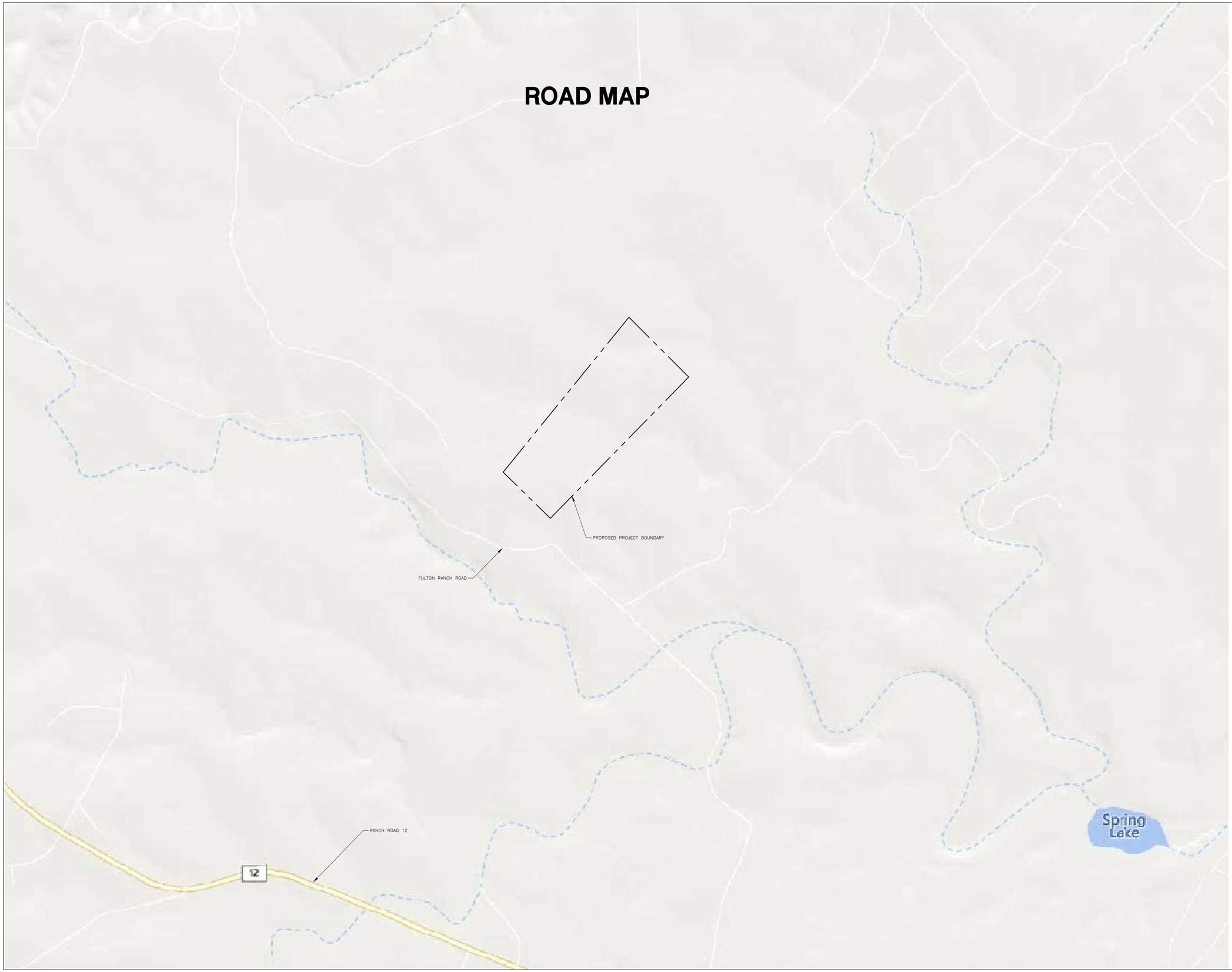
20. [x] Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies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

21. [x] No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

ATTACHMENT A

AREA MAP

ROAD MAP



N

0 500' 1000' 2000'

SCALE: 1" = 1000'

LEGEND

PROPERTY LINE

IMAGE:	
ISSUE DATE:	08/3102023
DRAWN BY:	MRM
CHECKED BY:	CGC
SCALE: 1" =	1000'
JOB NO.:	10387-052

SHEET NO.:

1

OF 1

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

REV	DESCRIPTION	BY	DATE

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED
PROFESSIONAL ENGINEER

Curt G. Campbell, P.E.
License No. 106851

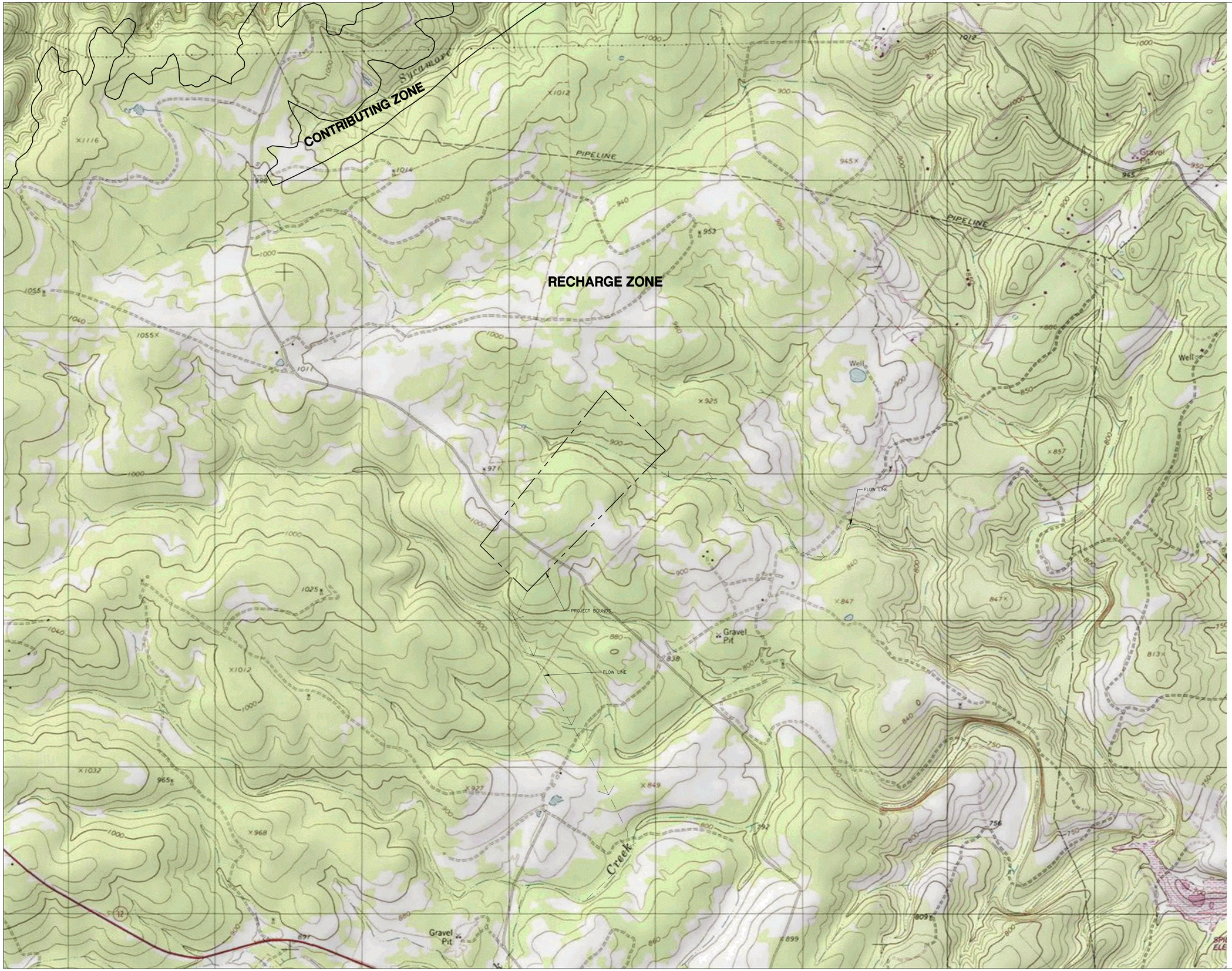
9/1/2023

ROAD MAP

FAR SOUTH WPAP & AST PLAN
FAR SOUTH MINING, LLC
SAN MARCOS, TX, 78666

ATTACHMENT B

USGS / EDWARDS RECHARGE ZONE MAP



N

0 500' 1000' 2000'

SCALE: 1" = 1000'

LEGEND

PROPERTY LINE

FLOW LINE

IMAGE:	
ISSUE DATE:	08/31/2023
DRAWN BY:	MRM
CHECKED BY:	CGC
SCALE: 1" =	1000'
JOB NO.:	10387-052

SHEET NO.:

1

OF 1

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

REV.	DESCRIPTION	BY	DATE

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED
PROFESSIONAL ENGINEER

Curt G. Campbell, P.E.
License No. 106851

9/1/2023

USGS MAP

FAR SOUTH AST & WPAP PLAN
FAR SOUTH MINING, LLC
SAN MARCOS, TX, 78666

GENERAL INFORMATION FORM ATTACHMENT C

Project Description

Far South Mining, LLC is proposing to operate a quarry for limestone aggregate and minor quantities of cut bulk limestone within an approximately 200-acre section of the Needmore Ranch located on Fulton Ranch Road near Wimberley, Hays County, Texas. The land is currently undeveloped and used for agricultural and hunting purposes. Some existing ranch roads are present on this tract; however, there are currently no paved roads or structures on the parcel.

One mapped blue line feature, an unnamed drainage, is present within the site. The area along the mapped blue line is indicated as 100 year floodplain. A 25 foot natural vegetated buffer will be maintained between the floodplain boundary and any regulated activities, until such time as appropriate permitting can be obtained to quarry through both the floodplain and the blue line.

A geologic assessment for the 200-acre site was performed by Terrain Solutions, Inc. and is dated 10/7/2022. The geologic assessment report is included in this submittal. No sensitive features were discovered onsite.

Far South Mining is proposing to expand quarrying in sections less than ten acres at a time utilizing a portable crusher (authorized under TCEQ air authorization R11111202982). A <10-acre area will be cleared and used to start the quarry excavation (approximate initial quarry location is shown on the WPAP Site Plan). Temporary BMPs consisting of earthen berms and vegetated areas will be utilized to control and treat stormwater runoff in the initial stages of construction. Temporary earthen berms will be built as a result of clearing and will retain stormwater runoff from disturbed areas prior to excavation. As the quarry expands to the Final Earthen Berm as shown on the WPAP Site Plan, areas will be cleared in increments of less than 10 acres at a time. When the pit is of sufficient size, the crushing operation will be moved into the quarry pit. Additional stockpiles will also be stored in the pit. Nearly the entire site is proposed to be quarried, as shown on the site map. Permanent BMPs at the site will include the Final Earthen Berm and 50-foot vegetated buffers. Limestone aggregate and cut limestone will be trucked offsite for delivery/distribution. Aggregate will not be washed onsite; therefore,no industrial wastewater will be generated by the proposed quarry operations. Far South plans to construct several compacted base roadways to connect the proposed quarry operations to an existing paved ranch road to minimize erosion due to truck traffic. Impervious cover of the site is not expected to exceed 1.07 acres, or 0.005%.

Several fuel and lubricant aboveground storage tanks(ASTs)will be used for vehicle and equipment fueling and maintenance onsite. These ASTs will all be double-walled tanks. The ASTs will all be situated on a curbed concrete pad distanced from quarrying operations and vehicular traffic(refer to the included site diagrams). Fueling of large slow-moving equipment will take place on compacted base pads within the quarry pit. Permanent fuel storage tanks will be installed on curbed concrete fueling pads. Appropriate AST Plan attachments are included with this application.

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. Portable toilets will be used on-site.

It is not expected that any significant amount of groundwater will be encountered in the quarry excavation. In order to maintain appropriate separation from the groundwater the quarry floor will not be lower than 686ft.amsl.

Existing vegetation will be protected in multiple locations to minimize erosion, along with use of earthen berms, rock gabions, silt fencing, and sod/vegetative filter strips to address erosion and sediment transport concerns during the construction phase.

GEOLOGIC ASSESSMENT

Terrain Solutions, Inc.

Geoscience Firm Registration # 50018

10103 Fondren Road, Suite 426
Houston, Texas 77096
Email: office@terrainsolutionsinc.com

Telephone: 713 - 467 - 2900
Fax: 713 – 583-1045

October 6, 2022

Mr. Ken Blankenburg
Far South Mining, LLC
8845 W Loop 1604 N.
San Antonio, Texas 78254

Subject: Geological Assessment Report
200-Acre Proposed Quarry Site, 3065 Fulton Ranch Road,
San Marcos, Hays County, Texas 78666
TSI Project No. 220854-01P

Dear Mr. Blankenburg:

Terrain Solutions, Inc. (TSI) herein submits this Geologic Assessment that was conducted on the above referenced site. This study was performed in general accordance with the terms and conditions outlined in TSI's Proposal No. P2022-103, dated August 1, 2022, which was authorized on August 2, 2022. This assessment was performed in an effort to identify natural geological or manmade features on the subject site that could provide migration routes for contaminants to adversely impact the underlying water-bearing formations, namely the Edwards Aquifer, on the subject site.

TSI appreciates the opportunity to be of service to you. Should you have any questions or comments, please do not hesitate to call.

Sincerely,

Glenn R. Lowenstein, P.G.
Program Manager
Terrain Solutions, Inc.

STATE OF TEXAS
GLENN R. LOWENSTEIN
GEOLOGY
28
LICENSED
PROFESSIONAL GEOSCIENTIST

10-7-22

Matthew R. Cowan, P.G.,
Project Manager

Attachments: TCEQ Form, Geologic Assessment Table, Stratigraphic column, Narrative Description of Site Geology, Maps, Supporting Documentation, Photographic Documentation

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) FORM

Geologic Assessment

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Geologist: Glenn Lowenstein Telephone: 713-467-2900

Date: 10/05/2022 Fax: 713 – 583-1045

Representing: Terrain Solutions Inc Firm#50018 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

10-7-22

Regulated Entity Name: Far South Mining, LLC

Project Information

1. Date(s) Geologic Assessment was performed: 9-7 and 9-8 2002
2. Type of Project:
   - ☒ WPAP
   - ☐ SCS
   - ☒ AST
   - ☐ UST
3. Location of Project:
   - ☒ Recharge Zone
   - ☐ Transition Zone
   - ☐ Contributing Zone within the Transition Zone

4. ☒ **Attachment A - Geologic Assessment Table**. Completed Geologic Assessment Table (Form TCEQ-0585-Table) is attached.

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

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
RUD	A	3
CrD	D	1.5

** Soil Group Definitions (Abbreviated)*

A. Soils having a high infiltration rate when thoroughly wetted.

B. Soils having a moderate infiltration rate when thoroughly wetted.

C. Soils having a slow infiltration rate when thoroughly wetted.

D. Soils having a very slow infiltration rate when thoroughly wetted.

6. ☒ **Attachment B – Stratigraphic Column**. A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.

7. ☒ **Attachment C – Site Geology**. A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.

8. ☒ **Attachment D – Site Geologic Map(s)**. The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'

   Applicant's Site Plan Scale: 1" = 700'
   Site Geologic Map Scale: 1" = 300'
   Site Soils Map Scale (if more than 1 soil type): 1" = 700'

9. Method of collecting positional data:

   ☒ Global Positioning System (GPS) technology.
   ☐ Other method(s). Please describe method of data collection: _____

10. ☒ The project site and boundaries are clearly shown and labeled on the Site Geologic Map.

11. ☒ Surface geologic units are shown and labeled on the Site Geologic Map.

12. ☐ Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.

    ☒ Geologic or manmade features were not discovered on the project site during the field investigation.

13. ☐ The Recharge Zone boundary is shown and labeled, if appropriate.

14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.

    ☐ There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
    - ☐ The wells are not in use and have been properly abandoned.
    - ☐ The wells are not in use and will be properly abandoned.
    - ☐ The wells are in use and comply with 16 TAC Chapter 76.

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

Administrative Information

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

ATTACHMENT A

GEOLOGIC ASSESSMENT TABLE

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME:

LOCATION			FEATURE CHARACTERISTICS											EVALUATION			PHYSICAL SETTING		
1A	1B *	1C*	2A	2B	3	4			5	5A	6	7	8A	8B	9	10		11	12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)	TOPOGRAPHY
						X	Y	Z		10						<40	>40	<1.6	>1.6	

* DATUM:_____

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

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

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

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

_____

Date 10-7-22

Sheet 1 of 1

10-7-22

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

ATTACHMENT B

STRATIGRAPHIC COLUMN

Simplfied Geologic Stratagraphic Column

Geology						Lithology
Period	Epoch	Group	Formation	Abrv	Member	
Cretaceous	Early Cretaceous	Edwards	Person	Kep	Regional Dense	shaley, mudstone, wackestone, oyster-shell mudstone and wackestone, iron staining, chert. Thickness is approximately 20 ft.
			Kainer	Kek	Grainstone	miliolid, skeletal fragmented grainstone mudstone, wackestone; chert (beds and nodules); crossbedded and ripple marked. Thickness can range from 40-50 ft.
					Kirschberg evaporite	Chert (absent in lower 20 feet), dolomitic
					Dolomitic	mudstone to grainstone. Thickness can range from 90-120 ft.

Source Clark, A.K., Pedraza, D.E., and Morris, R.R., 2018, Geologic framework and hydrostratigraphy of the Edwards and Trinity aquifers within Hays County, Texas: U.S. Geological Survey Scientific Investigations Map 3418, 1 sheet, scale 1:24,000, map

ATTACHMENT C

NARRATIVE DESCRIPTION OF SITE GEOLOGY

PLEASE REFER TO SECTION 3.0 OF THIS REPORT

1.0 Introduction

Terrain Solutions, Inc. (TSI) was contracted by Far South Mining, LLC to conduct a Geologic Assessment for the presence of potential recharge features for the proposed improvements on a200-Acre Proposed Quarry Site ("subject site") (Appendix A, Attachment D). This report includes the Texas Commission on Environmental Quality (TCEQ) Geologic Assessment form #TCEQ-0585.

2.0 Methodology

TSI geologists conducted a field survey for a Geologic Assessment on September 7-8, 2022. The survey was completed by walking/driving/drone the subject site. Areas such as ridge line and drainage patterns were observed in several transects across the subject site.

3.0 Results

3.1 Site Overview

The project site lies within the Edwards Aquifer Recharge Zone. The subject property generally slopes to the southwest. The surface elevations range from 870 to 970 feet above mean sea level (amsl). The property consists of undeveloped agricultural land. Adjacent properties are undeveloped agricultural and research facilities.

3.2 Geology

The subject property is underlain by Edwards Group (Ked), which is comprised of the Kainer and Person Formations. According to Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers Within Northern Bexar and Comal Counties, Texas (Clark 2016), "The Edwards Group, the Edwards Group is composed of the Kainer and Person Formations. The Kainer Formation is subdivided into the following members (bottom to top): the basal nodular, dolomitic, Kirschberg Evaporite, and grainstone. The Person Formation is subdivided into the following members (bottom to top): the regional dense, leached and collapsed (undivided), and cyclic and marine (undivided). All of the members of the Kainer and Person Formations are informal". The Edwards Group is cretaceous in age. For the subject site specifically, the Kainer formation on the subject site is comprised of the Grainstone, Kirschberg Evaporites, Dolomitic and Nodular members. The Person Formation on the subject site is comprised of the Regional dense member

The late Early Cretaceous Edwards Group is composed of mudstone to grainstone, shales, and chert deposited in an open marine to supratidal flats environment during separate marine transgressions. A marine transgression during the Early Cretaceous resulted in the deposition of the Kainer Formation. The Person Formation was deposited during a subsequent marine transgression. The Edwards Group formed on the landward margin of the Comanche shelf, which

was sheltered from storm waves and deep ocean currents by the Stuart City reef trend in the ancestral Gulf of Mexico."

3.3 Soils

A review of soils data from the U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) indicates that one soil map unit is present within the Project Area (NRCS 2022): Rumple-Comfort, rubbly association, 1 to 8 percent slopes (RUD).

> *The Rumple component makes up 60 percent of the map unit. Slopes are 1 to 8 percent. This component is on ridges on dissected plateaus. The parent material consists of colluvium and/or residuum weathered from limestone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. This component is in the R081CY359TX Gravelly Redland 29-35 PZ ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.*
>
> *The Comfort component makes up 20 percent of the map unit. Slopes are 1 to 8 percent. This component is on ridges on dissected plateaus. The parent material consists of residuum weathered from limestone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 6 percent. This component is in the R081CY360TX Low Stony Hill 29-35 PZ ecological site. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.*

A map displaying the locations of the soil types is included in Appendix A, Attachment D.

3.4 Site Hydrogeologic Assessment

Hydrostratigraphically, the rocks exposed in Hays County represent a section of the upper confining unit to the Edwards aquifer, the Edwards aquifer, the upper zone of the Trinity aquifer, the middle zone of the Trinity aquifer, and the upper part of the lower zone of the Trinity aquifer. The site specifically is within the Edwards group and Kainer and Person Formation. The Kainer formation on the subject site is comprised of the Grainstone, Kirschberg Evaporites, Dolomitic and Nodular members. The Person Formation on the subject site is comprised of the Regional dense member

The lithology of the Regional dense member is shaley, mudstone, wackestone, oyster-shell mudstone and wackestone, iron staining, chert. Thickness is approximately 20 ft.

The Lithology of the Grainstone member is described as miliolid, skeletal fragmented grainstone mudstone, wackestone; chert (beds and nodules); crossbedded and ripple marked. Thickness can range from 40-50 ft.

The Lithology of the Kirschberg Evaporites member is described as highly altered crystalline limestone, chalky mudstone, occasional grainstone associated with tidal channels; chert (beds and nodules); coarse-grained spar, breccia and travertine, dissolution has removed all evaporites in the study area. Thickness can range from 40-50 ft.

The Lithology of the Dolomitic member is described as Chert (absent in lower 20 feet), dolomitic mudstone to grainstone. Thickness can range from 90-120 ft.

Depth to water based upon nearby water wells (TWDB) in the area, depth to water ranges between 179 ft below ground surface (BGS) and 260 ft BGS.

There is a low potential exists for encountering karst voids during construction within the Edwards Aquifer Recharge Zone portion of the project.

Feature Descriptions

TSI did not any identify any features.

4.0 References

Clark, A.K., Golab, J.A., and Morris, R.R., 2016, Geologic framework and hydrostratigraphy of the Edwards and Trinity aquifers within northern Bexar and Comal Counties, Texas: U.S. Geological Survey Scientific Investigations Map 3366, 1 sheet, scale 1:24,000, pamphlet,

Clark, A.K., Pedraza, D.E., and Morris, R.R., 2018, Geologic framework and hydrostratigraphy of the Edwards and Trinity aquifers within Hays County, Texas: U.S. Geological Survey Scientific Investigations Map 3418, 1 sheet, scale 1:24,000, pamphlet,

Texas Commission on Environmental Quality, Edwards Aquifer Protection Program, Edwards Aquifer Viewer. Accessed September 10, 2022

Texas Water Development Board. 2018. Water Data Interactive website, http://www2.twdb.texas.gov/apps/waterdatainteractive/groundwaterdataviewer, accessed September 10. 2022

Texas Natural Resource and Information Systems (TNRIS). Stratmap 2017 50cm Central Texas

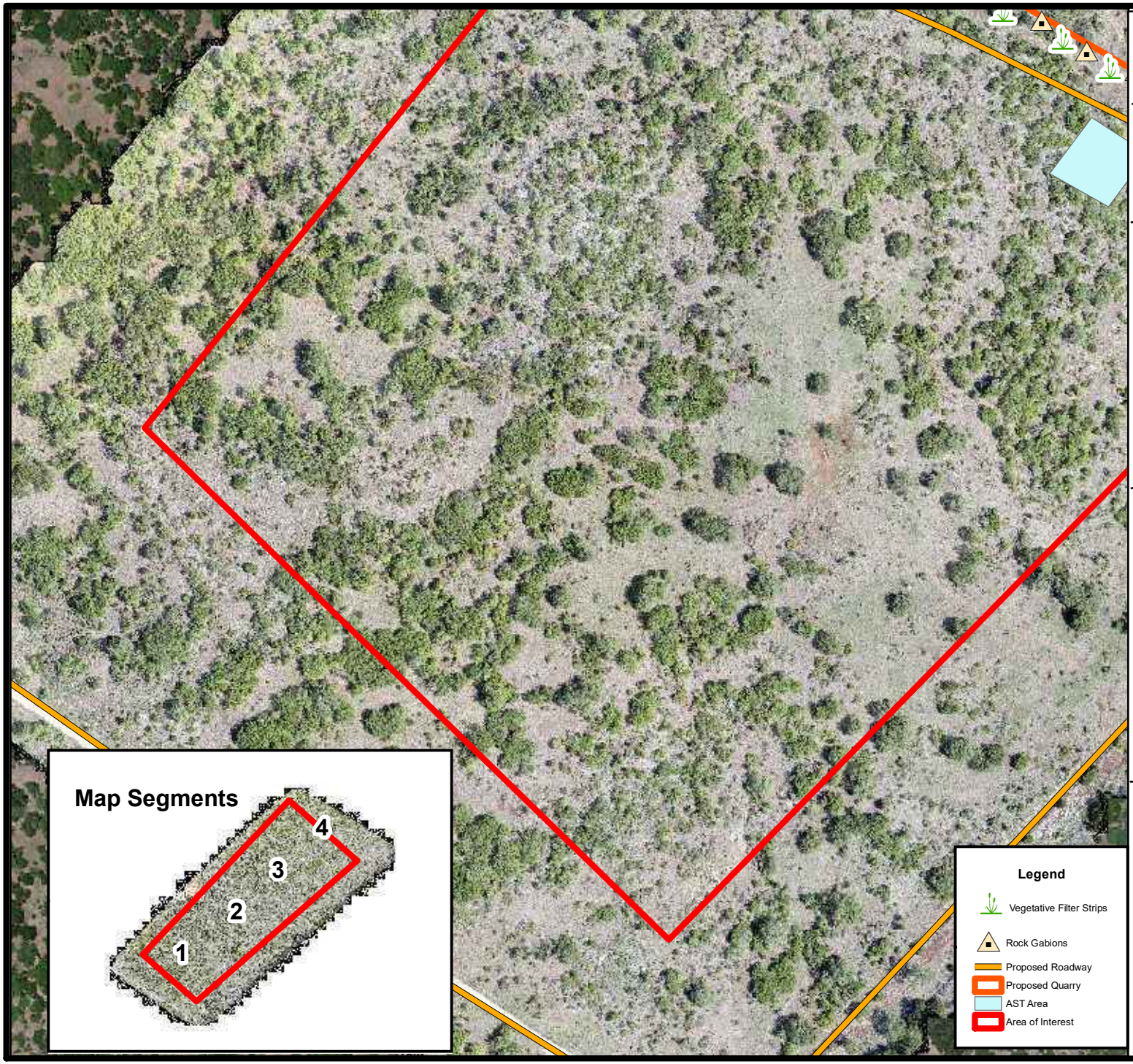
United States Department of Agriculture (USDA), 1962, Soil Survey of Comal and Hays Counties, Texas;

United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) Web Soil viewer Accessed September 10, 2022

United States Department of Agriculture (USDA), 1986, Urban Hydrology for Small Watershed

ATTACHMENT D

LOCATION MAP, SITE GEOLOGIC MAP, AND SOILS MAP



Site Map
Segment 1

200-Acre Proposed Quarry
3065 Fulton Ranch Road,
San Marcos, Texas 78666
TSI Project # 220854-01P

N
W E
S

Scale

0 300 Feet

1 inch = 300 feet

STATE OF TEXAS
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Matthew R. Cowan 10/27/22

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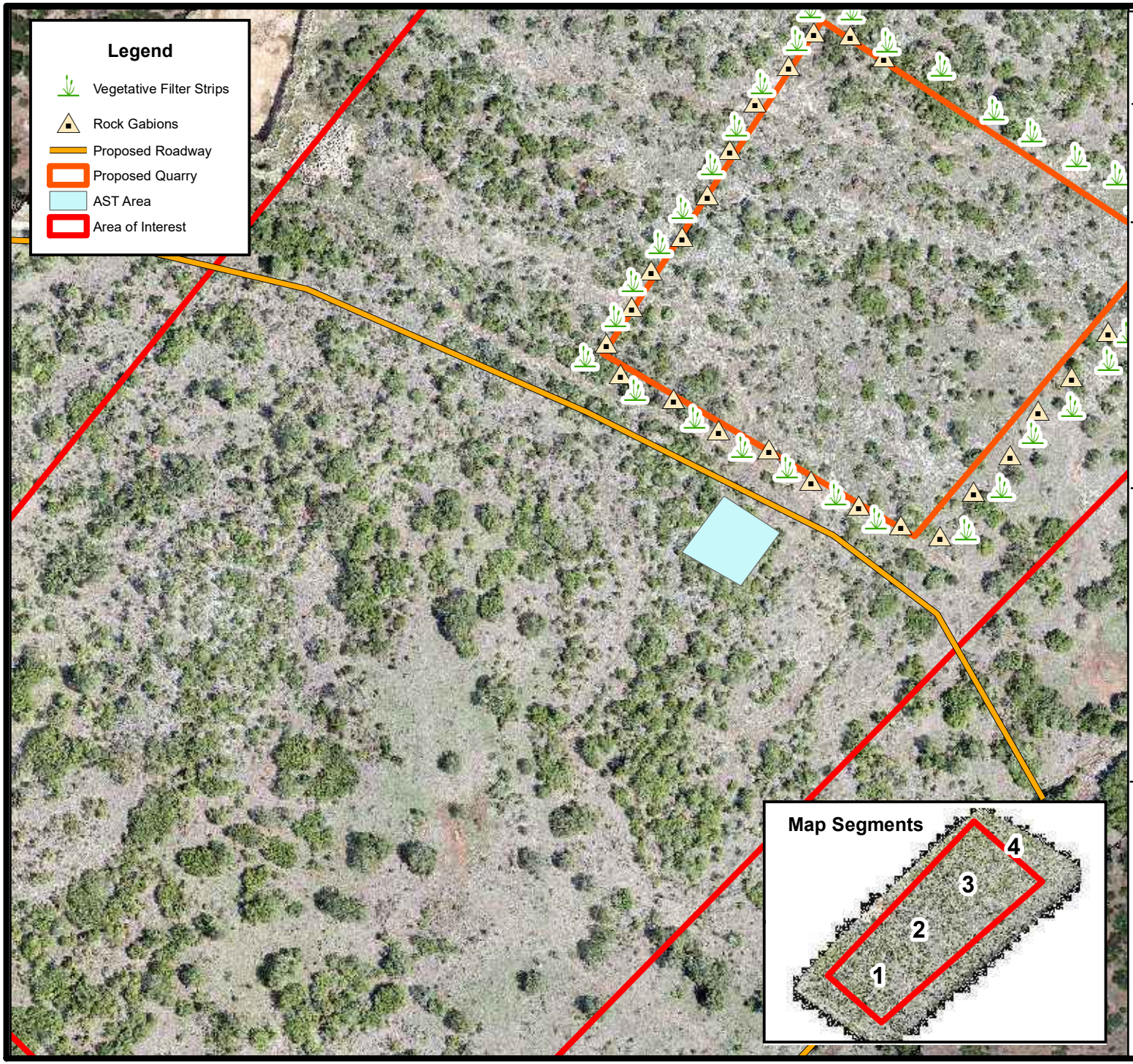
www.terrainsolutionsinc.com
713-467-2900
Firm Registration Number:50018

Aerial Source: TNRIS/Google



Site Map Segment 2

200-Acre Proposed Quarry
3065 Fulton Ranch Road,
San Marcos, Texas 78666
TSI Project # 220854-01P

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Scale

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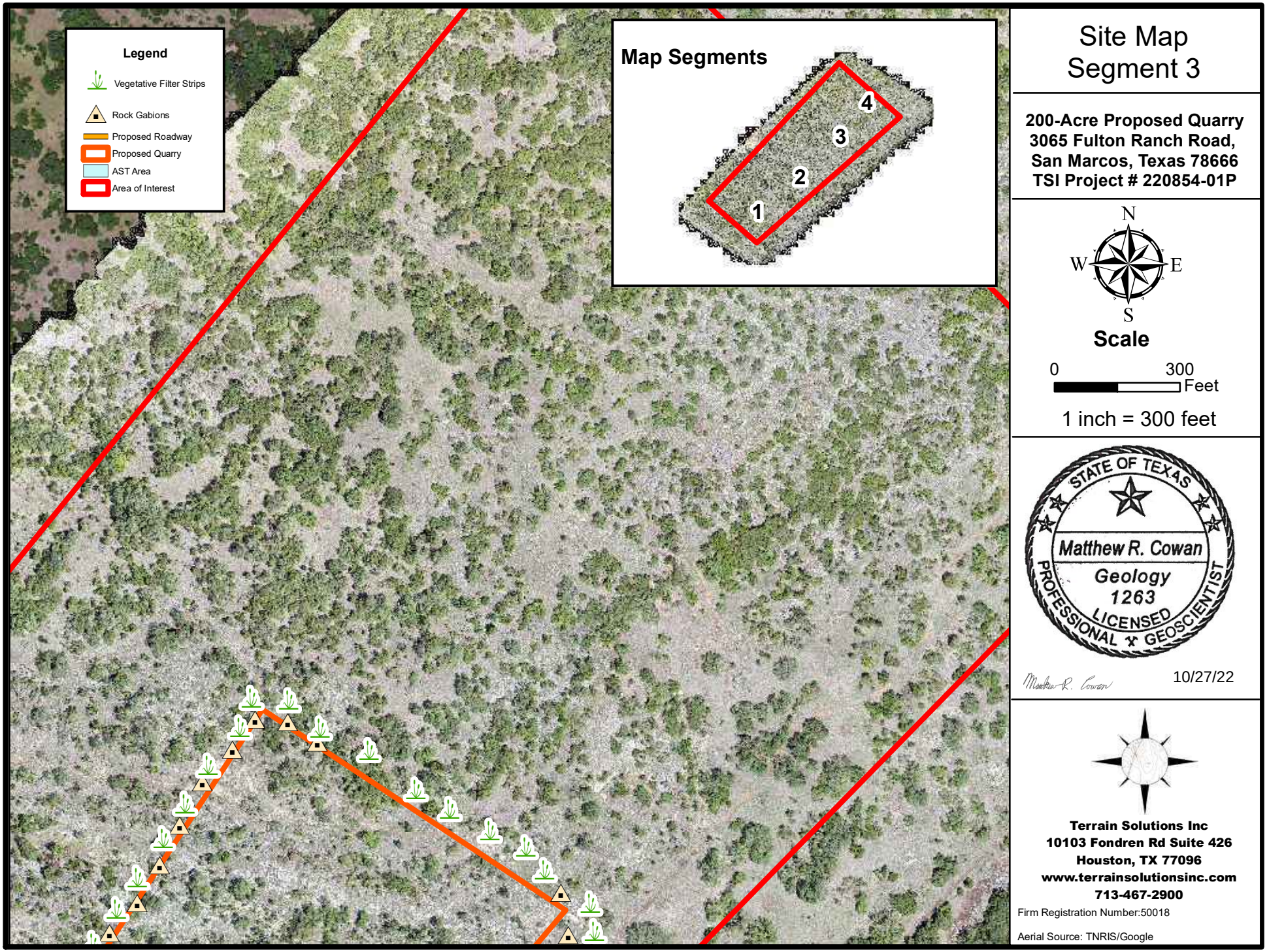

Site Map
Segment 3

200-Acre Proposed Quarry
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Scale

0 300 Feet

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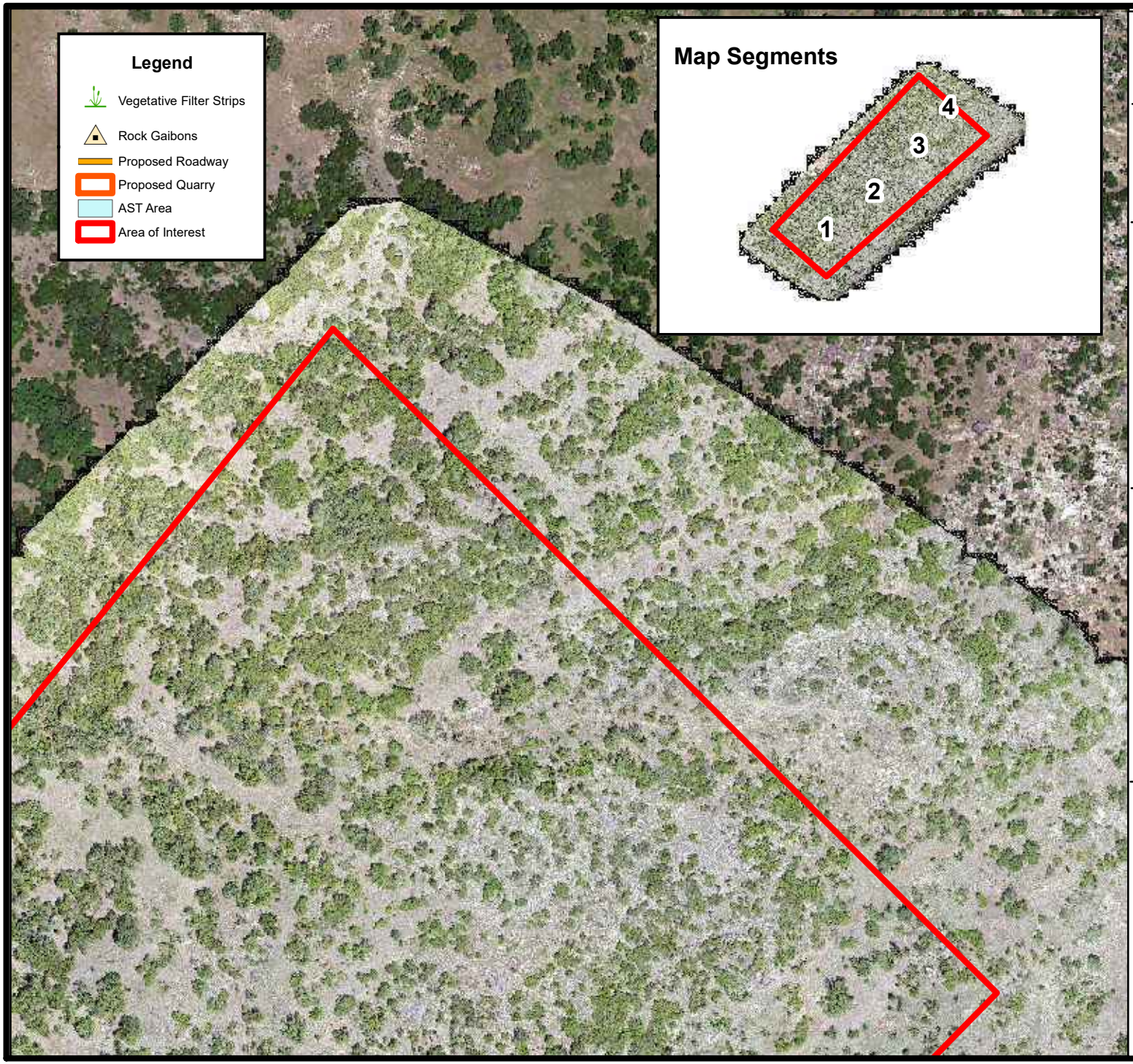

Site Map
Segment 4

200-Acre Proposed Quarry
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TSI Project # 220854-01P

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Scale

0 300 Feet

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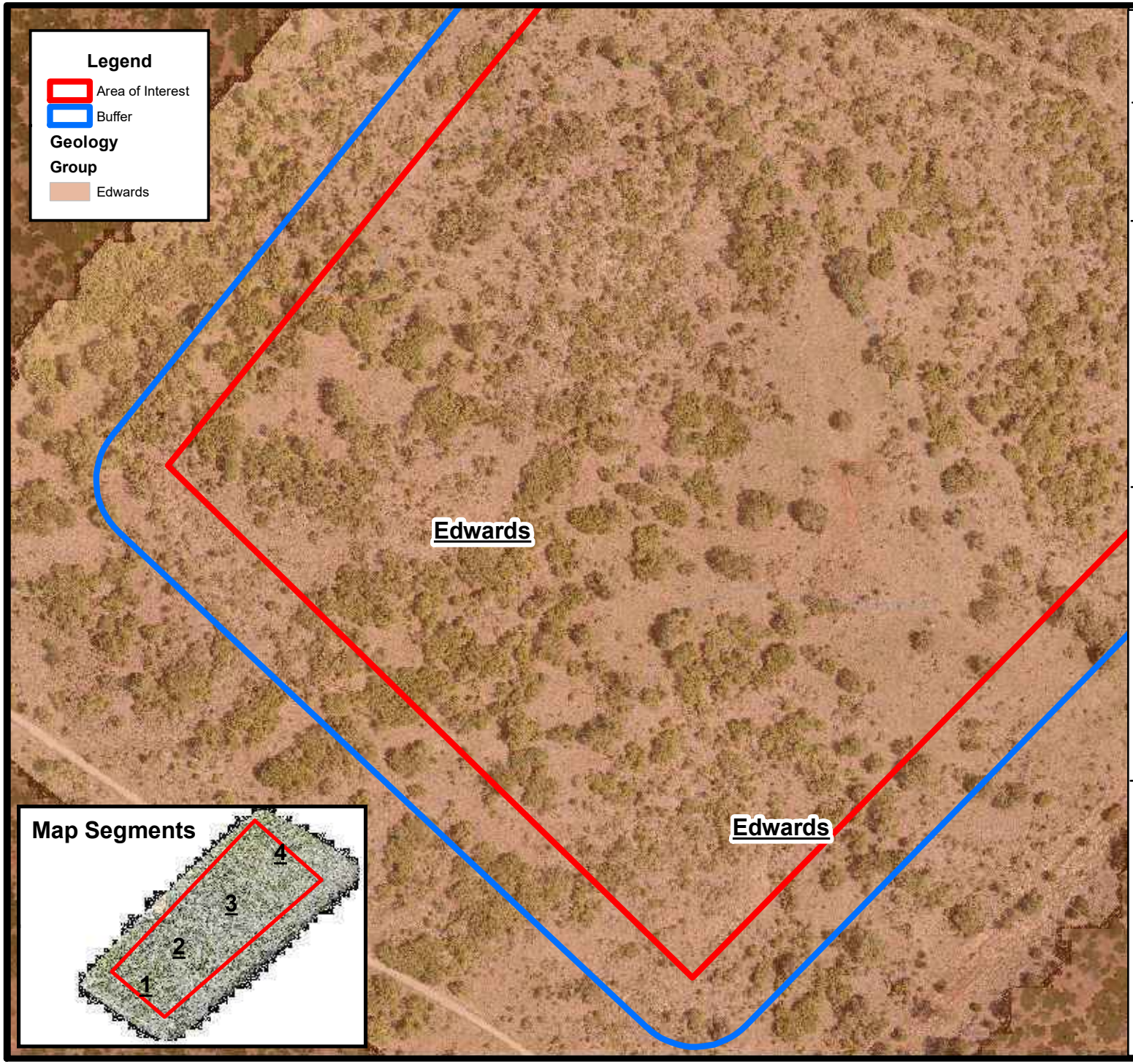

Geology Map Segment 1

200-Acre Proposed Quarry
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San Marcos, Texas 78666
TSI Project # 220854-01P

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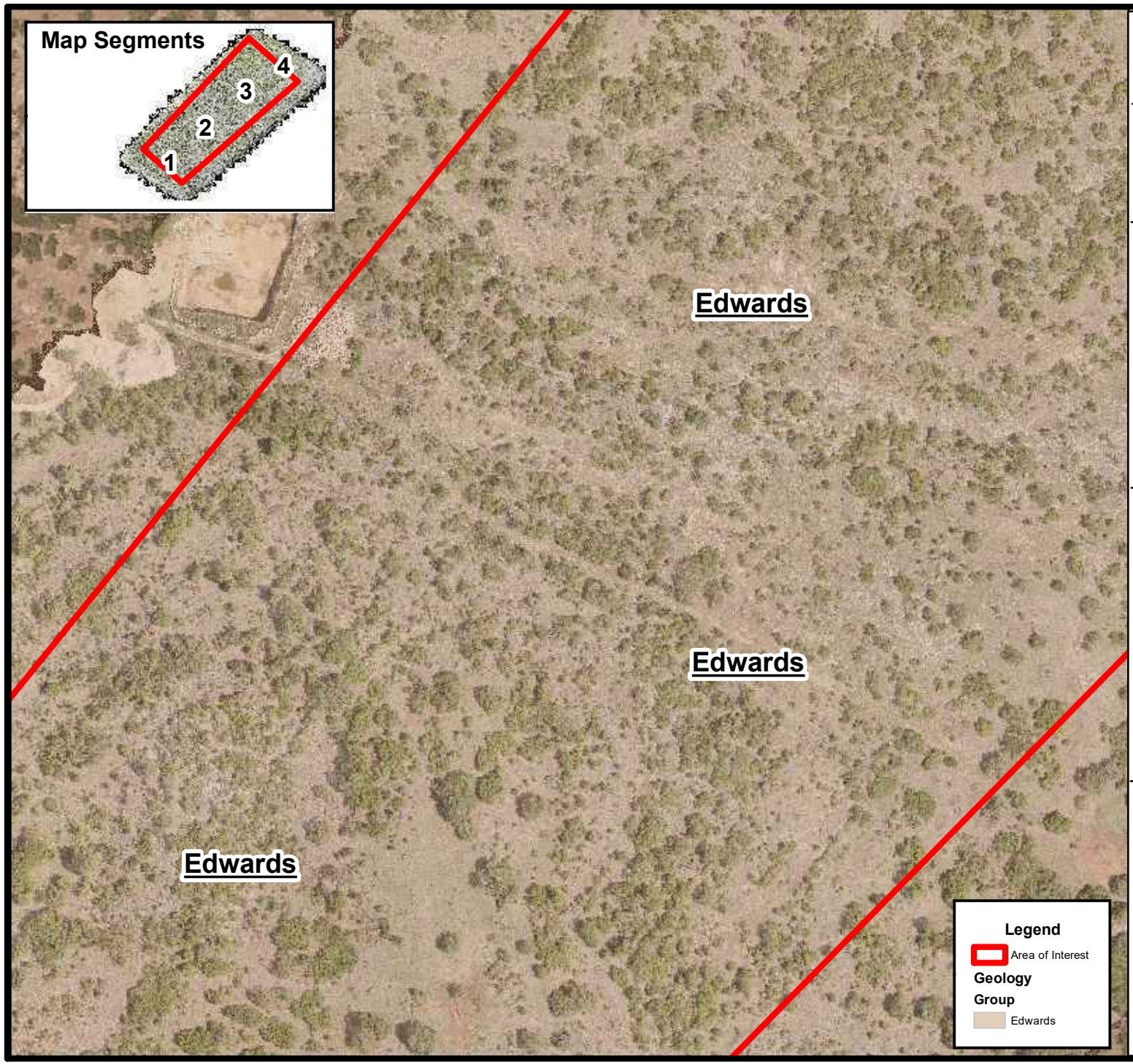

Geology Map Segment 2

200-Acre Proposed Quarry
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TSI Project # 220854-01P

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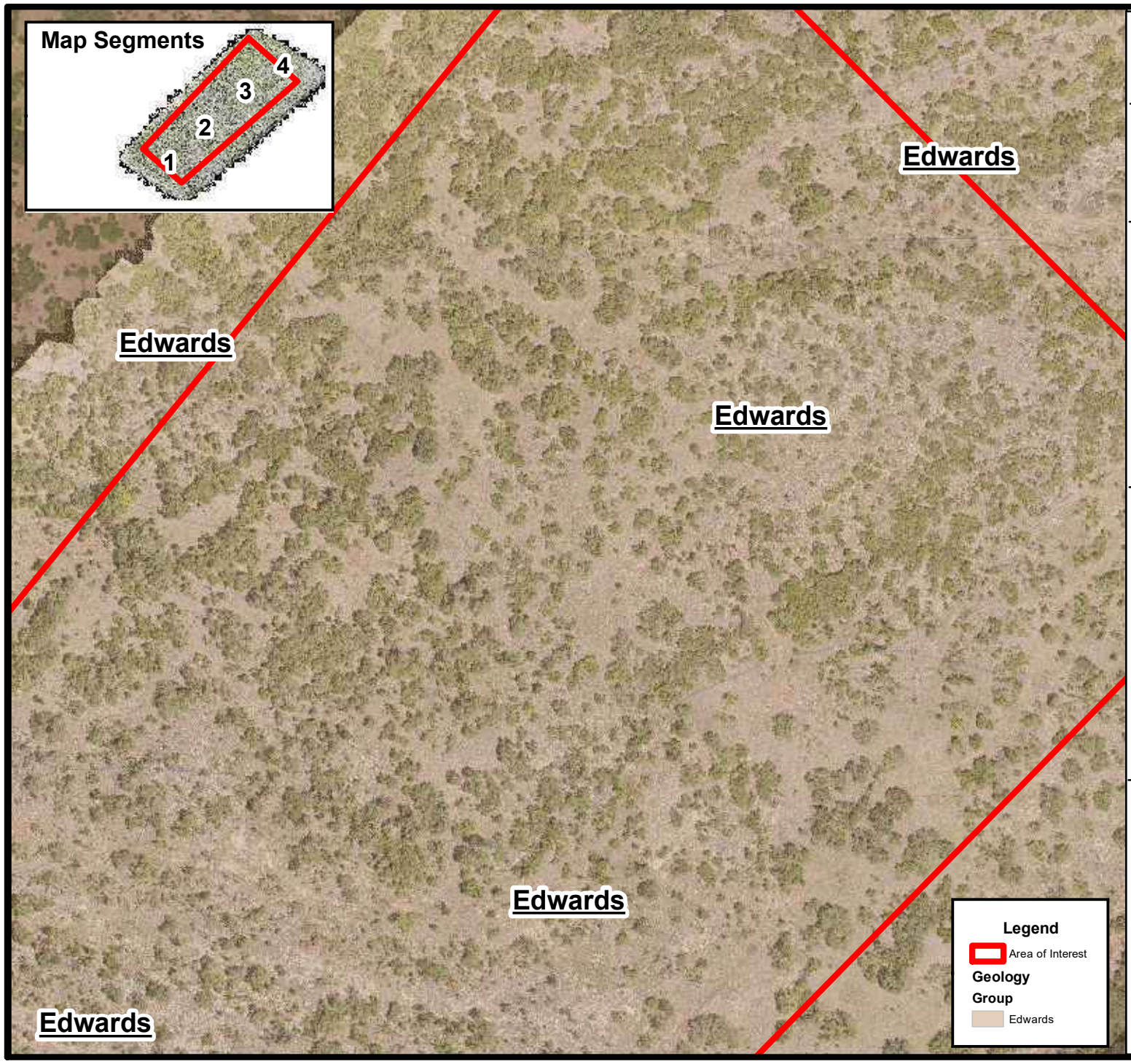

Geology Map Segment 3

200-Acre Proposed Quarry
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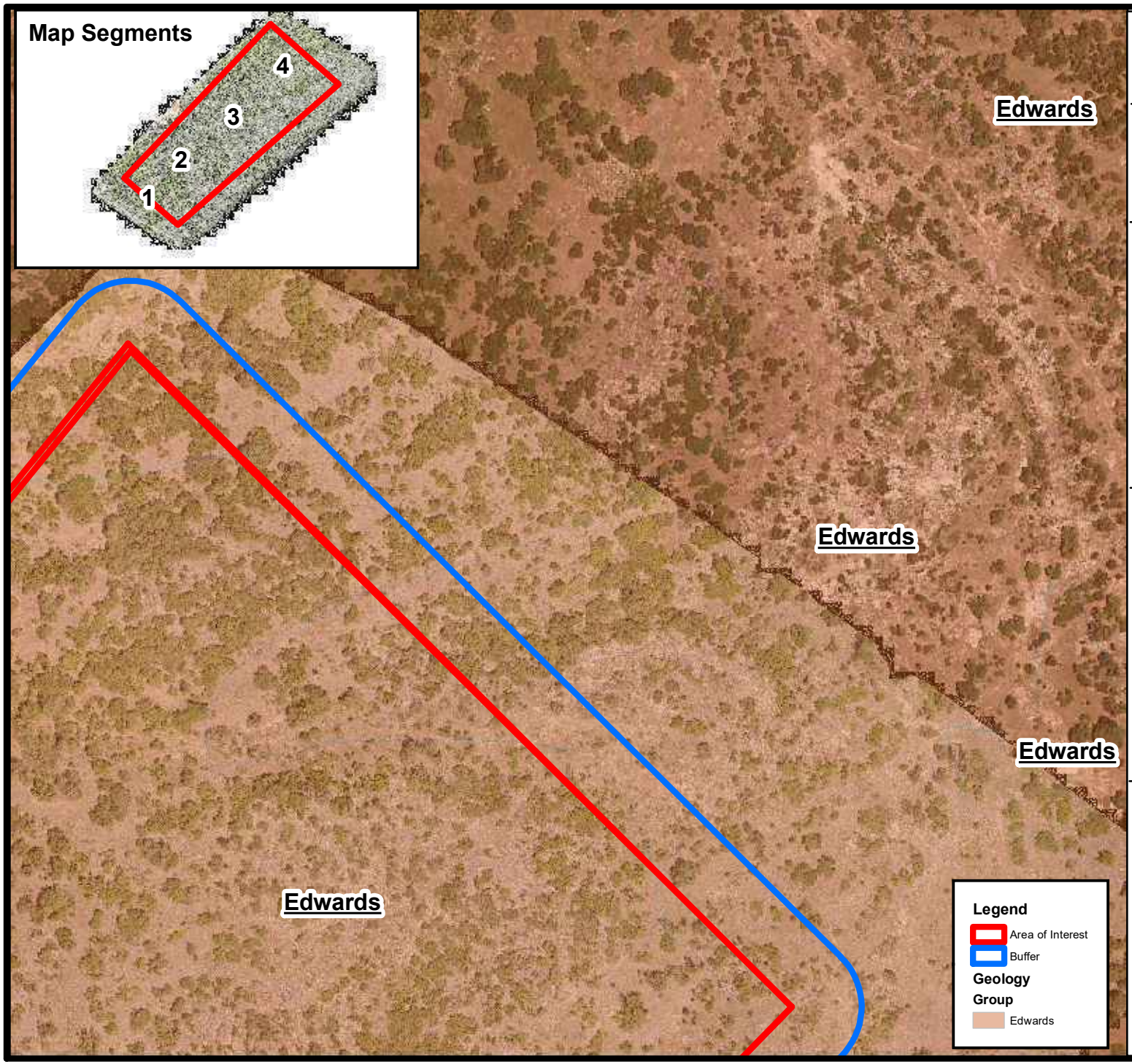

Geology Map Segment 4

200-Acre Proposed Quarry
3065 Fulton Ranch Road,
San Marcos, Texas 78666
TSI Project # 220854-01P

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Scale

0 350 Feet

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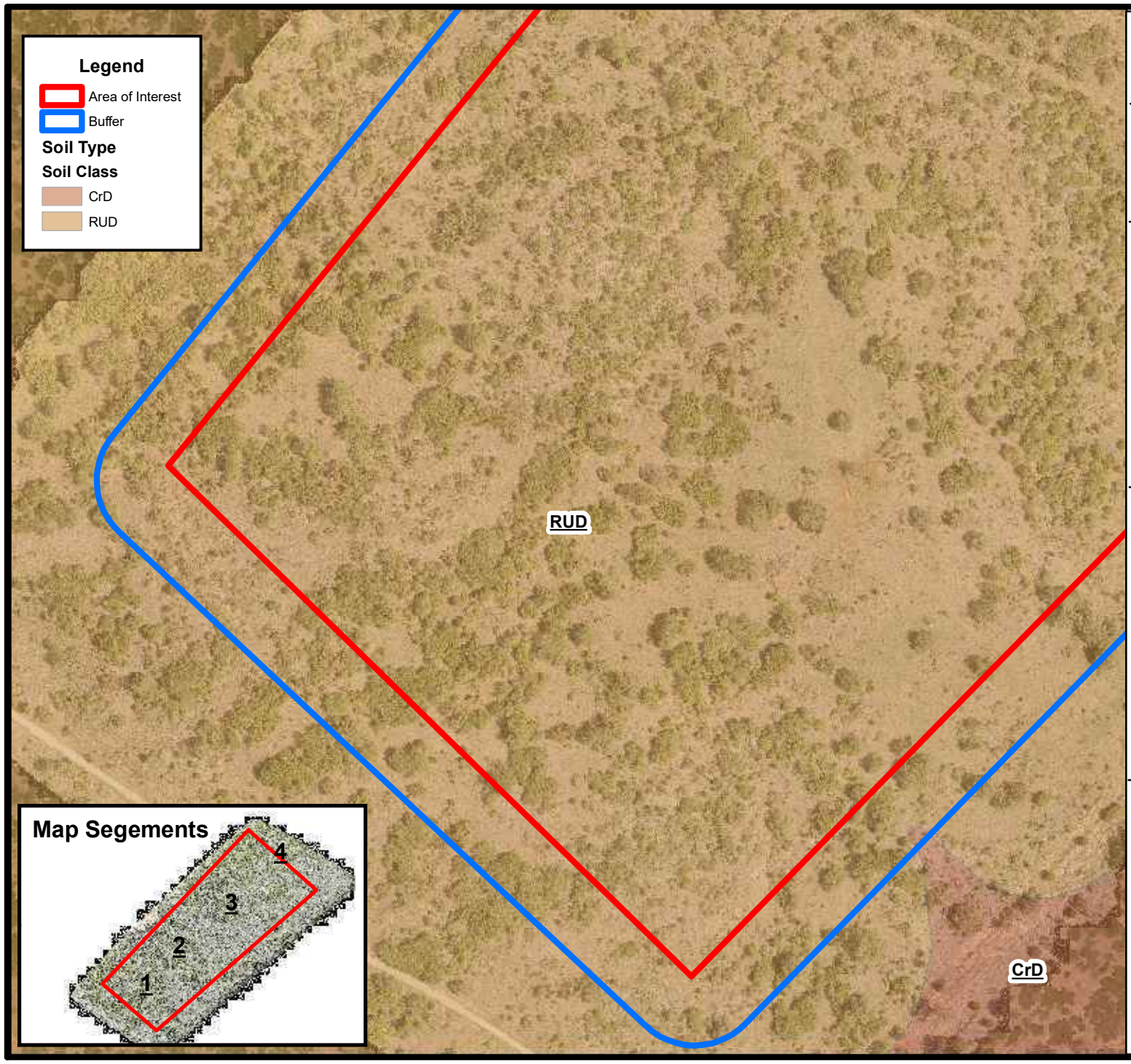

Soil Map Segment 1

200-Acre Proposed Quarry
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San Marcos, Texas 78666
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Scale

0 300 Feet

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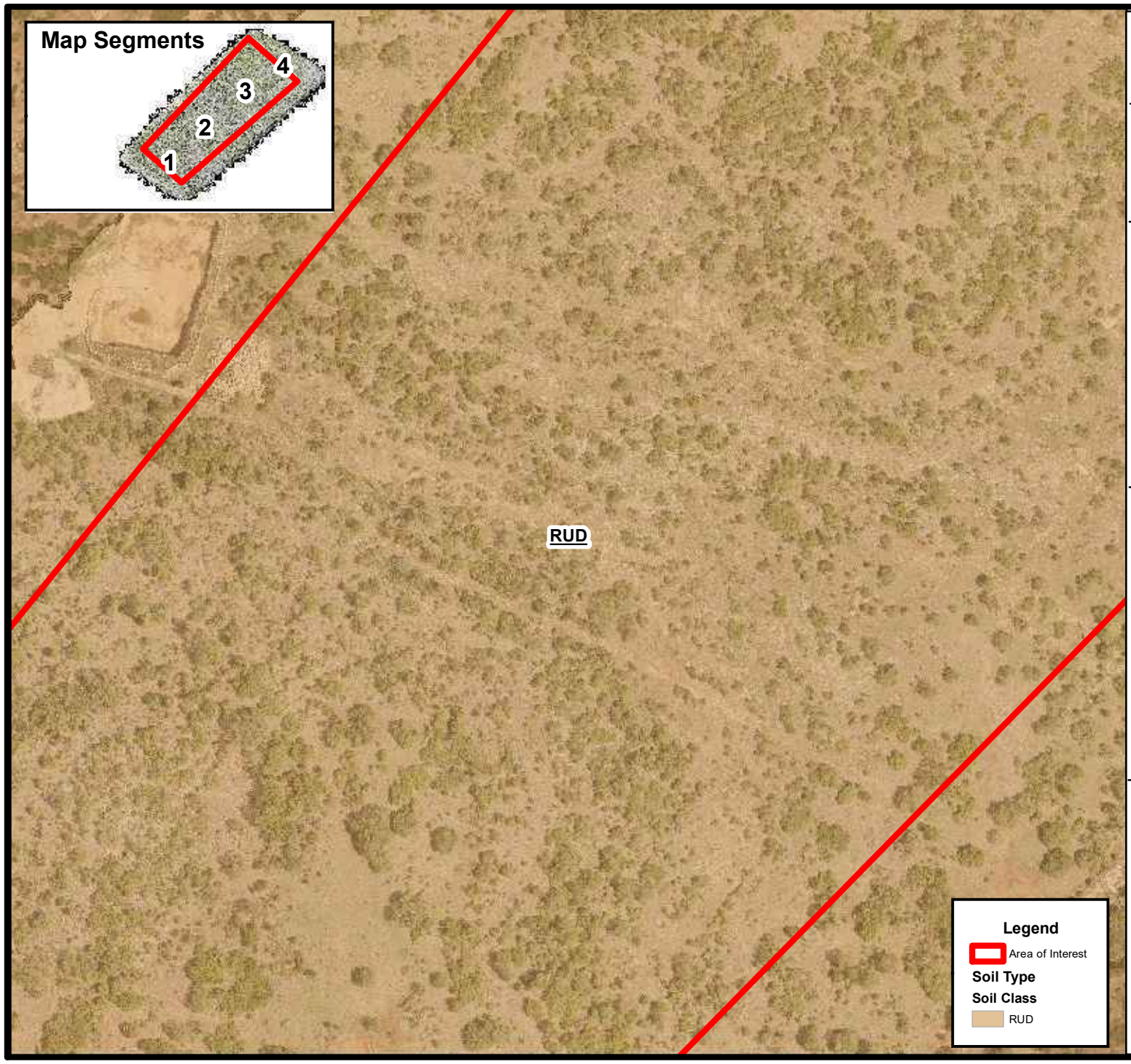

Soil Map Segment 2

200-Acre Proposed Quarry
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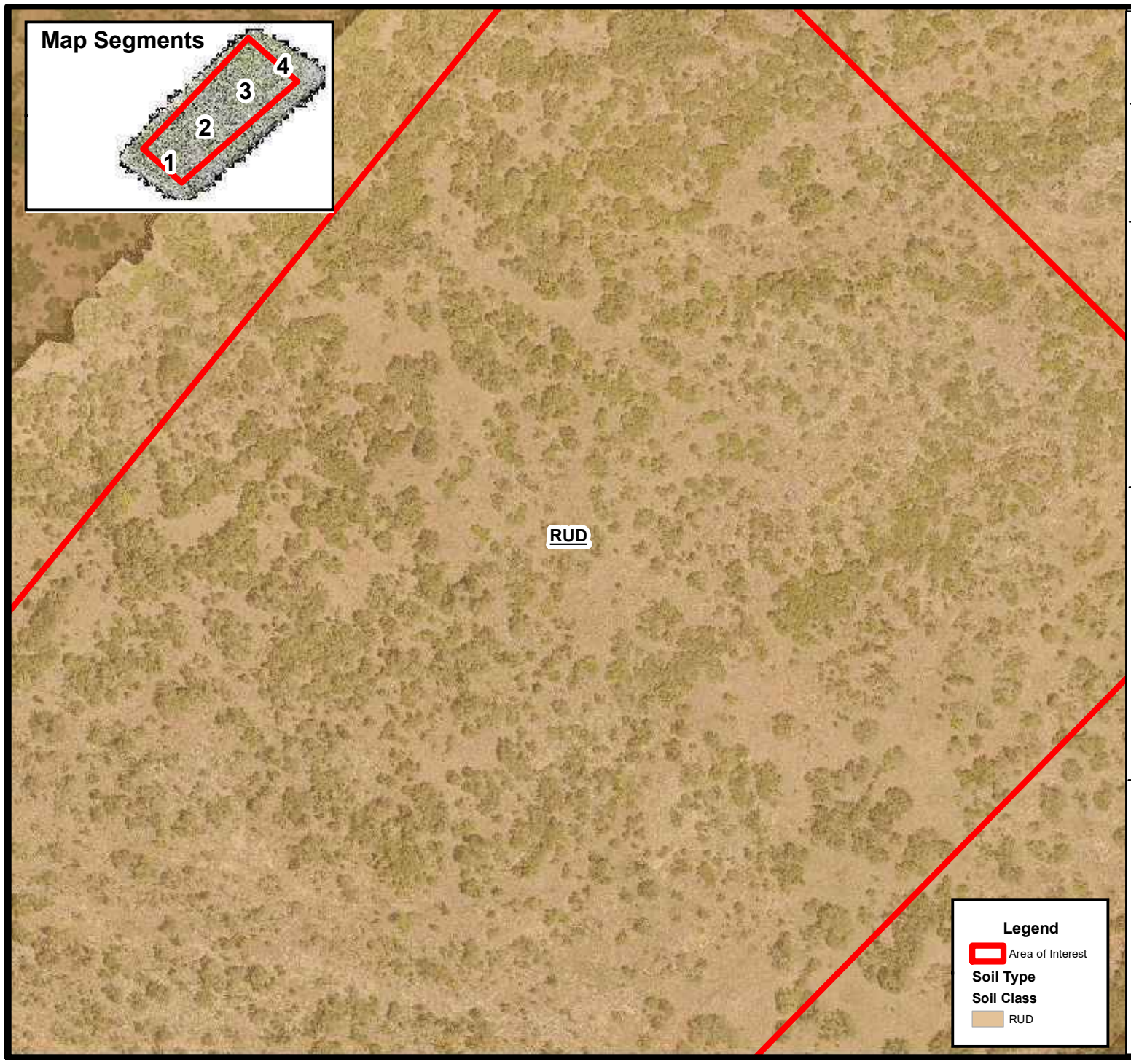

Soil Map Segment 3

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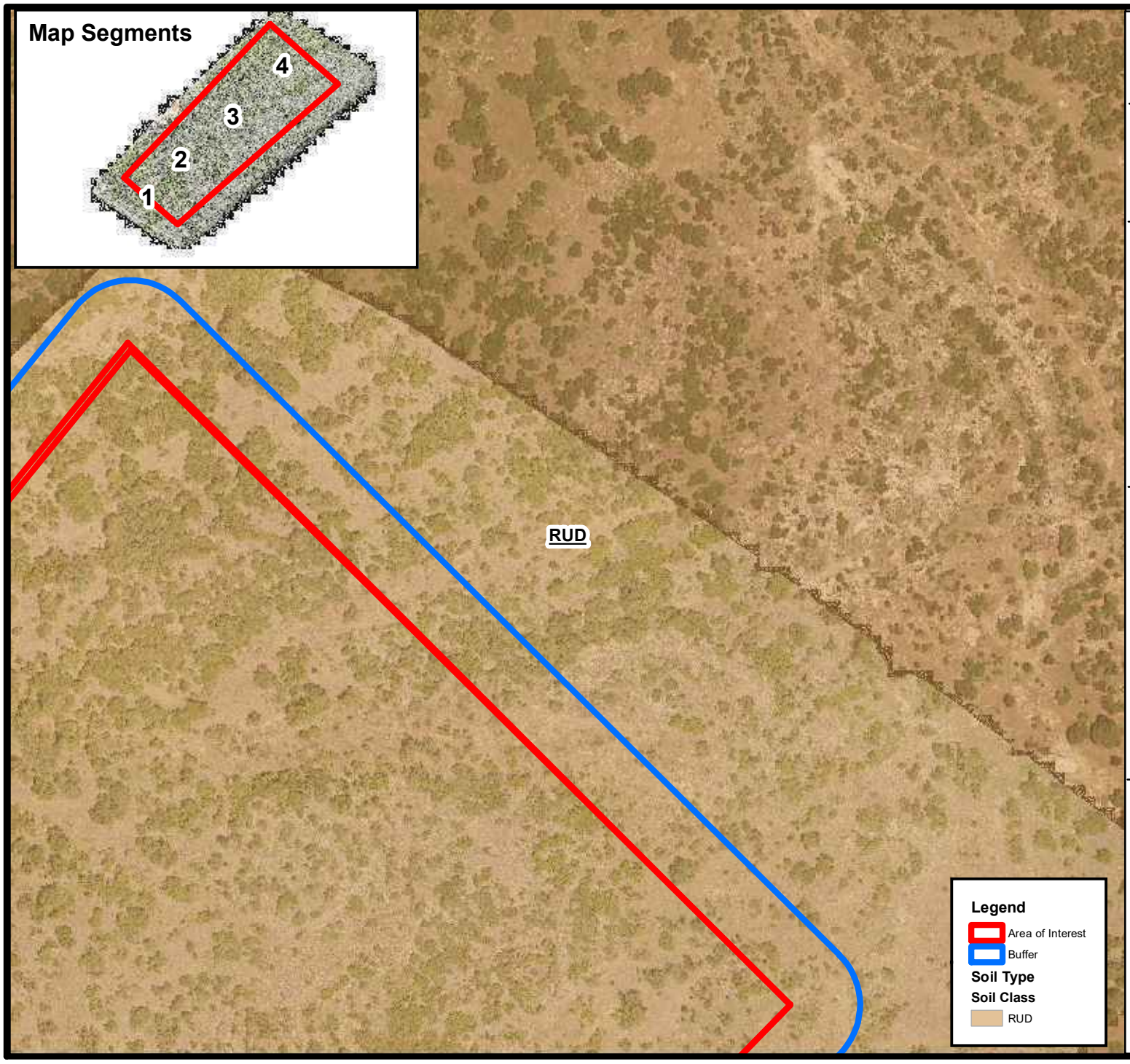

Soil Map Segment 4

200-Acre Proposed Quarry
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TSI Project # 220854-01P

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Scale

0 350 Feet

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ATTACHMENT E

SUPPORTING DOCUMENTATION

NOT PROVIDED

ATTACHMENT F

PHOTOGRAPHIC DOCUMENTATION

NOT APPLICABLE

WATER POLLUTION ABATEMENT PLAN APPLICATION

Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

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

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

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

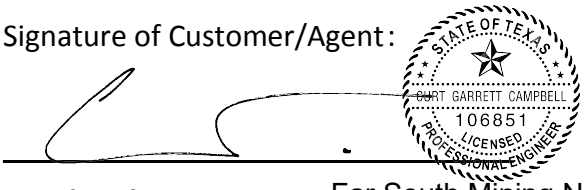
Signature

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

Print Name of Customer/Agent: Curt Campbell, P.E.

Date: 9/1/2023

Signature of Customer/Agent:



Regulated Entity Name: Far South Mining Needmore Ranch Quarry

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): 200 Acres

3. Estimated projected population: Up to 10 employees working shifts at the proposed aggregate quarry.

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

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	1,400	÷ 43,560 =	0.03 Acres
Parking	0	÷ 43,560 =	0 Acres
Other paved surfaces	45,100	÷ 43,560 =	1.04 Acres
Total Impervious Cover	46,500	÷ 43,560 =	1.07 Acres

Total Impervious Cover 1.04 **÷ Total Acreage** 200.0 **X 100 =** 0.005 **% Impervious Cover**

5. ☑ **Attachment A - Factors Affecting Surface Water Quality**. A detailed description of all factors that could affect surface water and groundwater quality that addresses ultimate land use is attached.

6. ☑ Only inert materials as defined by 30 TAC §330.2 will be used as fill material.

For Road Projects Only

Complete questions 7 - 12 if this application is exclusively for a road project. N/A - This proposed project is not 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 = _____ Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.

10. Length of pavement area: _____ feet.

    Width of pavement area: _____ feet.
    L x W = _____ Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.
    Pavement area _____ acres ÷ R.O.W. area _____ acres x 100 = _____% impervious cover.

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

    ☐ A rest stop will not be included in this project.

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

Stormwater to be generated by the Proposed Project

13. ☑ **Attachment B - Volume and Character of Stormwater**. A detailed description of the volume (quantity) and character (quality) of the stormwater runoff which is expected to occur from the proposed project is attached. The estimates of stormwater runoff quality and quantity are based on the area and type of impervious cover. Include the runoff coefficient of the site for both pre-construction and post-construction conditions.

Wastewater to be generated by the Proposed Project

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

100 % Domestic	100 Gallons/day
_____% Industrial	_____Gallons/day
_____% Commingled	_____Gallons/day
TOTAL gallons/day 100	

15. Wastewater will be disposed of by:

☐ On-Site Sewage Facility (OSSF/Septic Tank):

- ☐ **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.

- ☐ The SCS was previously submitted on_____.
- ☐ The SCS was submitted with this application.
- ☐ The SCS will be submitted at a later date. The owner is aware that the SCS may not be installed prior to Executive Director approval.

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

☐ Existing.
☐ Proposed.

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

Site Plan Requirements

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" = 300 '.

18. 100-year floodplain boundaries:

☑ Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
☐ No part of the project site is located within the 100-year floodplain.
The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA FIRM Panel 48209C0360F Effective September 2, 2005

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.

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.

WPAP Attachment A

Factors Affecting Water Quality

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

Earthen berms and vegetated 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 in a timely manner 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 Final Conditions Map, is approximately 200 acres. The stormwater from this disturbed area will carry an increased level of total suspended solids (TSS); however, stormwater from this area will be retained in the pit.

Due to the use of Temporary BMPs during construction, the character of stormwater runoff which is expected to occur from the proposed project will be essentially the same as prior to the site. 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 and upgradient stormwater runoff. The runoff coefficient for the impervious areas is 0.9 and the runoff coefficient for predevelopment is 0.03 per TCEQ guidance.

WPAP Application Form Attachment C

Suitability Letter from Authorized Agent

This is not applicable to the proposed quarry operation.

WPAP Application Form Attachment D

Exception to the Required Geologic Assessment

The Geologic Assessment is included in this application package.

N

0 150' 300' 600'

SCALE: 1" = 300'

LEGEND

- PROPERTY LINE
- 900 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- LINEAR WATER BODIES
- DRAINAGE AREAS
- BERM (TOP & TOE OF SLOPE)
- STK STOCKPILE
- BASE AREA

IMAGE:	
ISSUE DATE:	09/01/2023
DRAWN BY:	MRM
CHECKED BY:	CGC
SCALE: 1" =	300'
JOB NO.:	10387-052

SHEET NO.:

1

OF 1

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

REV	DESCRIPTION	BY	DATE

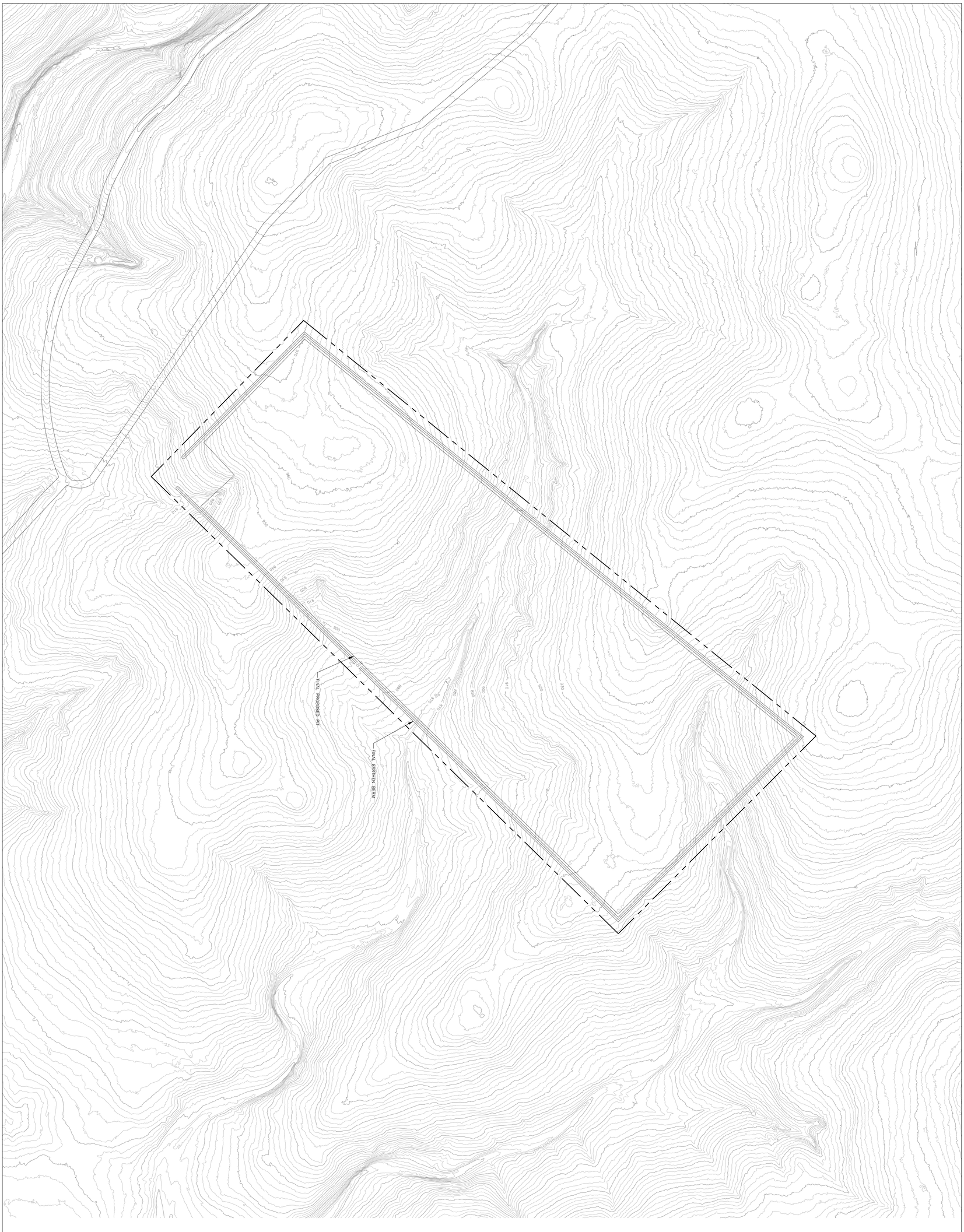
STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED
PROFESSIONAL ENGINEER

Curt G. Campbell, P.E.
License No. 106851

9/1/2023

SITE MAP

FAR SOUTH AST & WPAP
FAR SOUTH MINING, LLC
SAN MARCOS, TX, 78666



LEGEND

PROPERTY LINE
EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR
BERM (TOP & TOE OF SLOPE)

SCALE: 1" = 300'
0 150' 300' 600'

N

FINAL CONDITIONS MAP

FAR SOUTH AST & WPAP
FAR SOUTH MINING, LLC
SAN MARCOS, TX ,78666

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED
PROFESSIONAL ENGINEER

9/6/2023

Curt G. Campbell, P.E.
License No. 106851

REV	DESCRIPTION	BY	DATE

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

SHEET NO.: 1 OF 1

IMAGE:

ISSUE DATE:	09/07/2023
DRAWN BY:	MRM
CHECKED BY:	CGC
SCALE: 1" = 300'	
JOB NO.:	13587-002

ABOVEGROUND STORAGE TANK FACILITY APPLICATION

Aboveground Storage Tank Facility Plan Application

Texas Commission on Environmental Quality

For Permanent Storage on The Edwards Aquifer Recharge and Transition Zones And Relating to 30 TAC §213.5(e), 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.

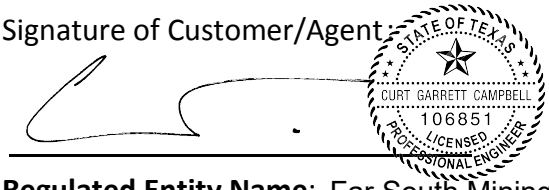
Signature

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 **Aboveground Storage Tank Facility Plan Application** is hereby submitted for TCEQ review and Executive Director approval. The application was prepared by:

Print Name of Customer/Agent: Curt Campbell, P.E.

Date: 9/1/2023

Signature of Customer/Agent:



Regulated Entity Name: Far South Mining Needmore Ranch Quarry

Aboveground Storage Tank (AST) Facility Information

1. Tanks and substance stored: **Please refer to the attached table for a listing of tanks and stored substances.**

Table 1 - Tank and Substance Storage

AST Number	*Size (Gallons)*	*Substance to be Stored*	*Tank Material*
1			
2			
3			
4			

AST Number	*Size (Gallons)*	*Substance to be Stored*	*Tank Material*
5			

Total x 1.5 = _____ Gallons

2. ☐ The AST will be placed within a containment structure that is sized to capture one and one-half (1 1/2) times the storage capacity of the system. For facilities with more than one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.

   ☑ **Attachment A - Alternative Methods of Secondary Containment**. Alternative methods for providing secondary containment are proposed. Specifications that show equivalent protection for the Edwards Aquifer are attached.

3. Inside dimensions and capacity of containment structure(s): All ASTs will be double-walled construction.

Table 2 - Secondary Containment

Length (L) (Ft.)	*Width (W) (Ft.)*	*Height (H) (Ft.)*	*L x W x H = (Ft3)*	*Gallons*

Total: _____ Gallons

4. ☐ All piping, hoses, and dispensers will be located inside the containment structure.

   ☑ Some of the piping to dispensers or equipment will extend outside the containment structure. The double-walled tanks will have dispensing hoses attached to the exterior of the tank.
   - ☑ The piping will be aboveground
   - ☐ The piping will be underground

5. ☑ The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of The double-walled tanks will be constructed of steel, as indicated in the attached table.

6. ☐ **Attachment B - Scaled Drawing(s) of Containment Structure**. A scaled drawing of the containment structure that shows the following is attached:
   - ☐ Interior dimensions (length, width, depth and wall and floor thickness).
   - ☐ Internal drainage to a point convenient for the collection of any spillage.
   - ☐ Tanks clearly labeled.
   - ☐ Piping clearly labeled.
   - ☐ Dispenser clearly labeled.

Site Plan Requirements

Items 7 - 18 must be included on the Site Plan.

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

   Site Plan Scale: 1" = 300 '.

8. 100-year floodplain boundaries:

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

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

   ☑ The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA FIRM Panel 48209C0360F Effective September 2, 2005

9. ☑ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Show lots, recreation centers, buildings, roads, etc.

   ☐ The layout of the development is shown with existing contours. Finished topographic contours will not differ from the existing topographic configuration and are not shown.

10. 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.

11. 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 C - Exception to the Geologic Assessment**. A request and justification for an exception to a portion of the Geologic Assessment is attached.

12. ☑ The drainage patterns and approximate slopes anticipated after major grading activities.

13. ☑ Areas of soil disturbance and areas which will not be disturbed.

14. ☑ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.

15. ☑ Locations where soil stabilization practices are expected to occur.

16. ☑ Surface waters (including wetlands).

    ☐ N/A

17. ☑ Locations where stormwater discharges to surface water or sensitive features.

    ☐ There will be no discharges to surface water or sensitive features.

18. ☑ Legal boundaries of the site are shown.

Best Management Practices

19. ☑ Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.

    ☑ In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.

    ☐ In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.

20. ☐ All stormwater accumulating inside the containment structure will be disposed of through an authorized waste disposal contractor.

    ☐ Containment area will be covered by a roof.

    ☐ Containment area will not be covered by a roof.

    ☐ A description of the alternate method of stormwater disposal is submitted for the executive director's review and approval and is attached.

21. ☑ **Attachment D - Spill and Overfill Control**. A site-specific description of the methods to be used at the facility for spill and overfill control is attached.

22. ☑ **Attachment E - Response Actions to Spills**. A site-specific description of the planned response actions to spills that will take place at the facility is attached.

Administrative Information

23. A Water Pollution Abatement Plan (WPAP) is required for construction of any associated commercial, industrial or residential project located on the Recharge Zone.

    ☐ The WPAP application for this project was approved by letter dated _____. A copy of the approval letter is attached at the end of this application.

    ☑ The WPAP application for this project was submitted to the TCEQ on _____, but has not been approved. **submitted concurrently**

    ☐ A WPAP application is required for an associated project, but it has not been submitted.

☐ There will be no building or structure associated with this project. In the event a building or structure is needed in the future, the required WPAP will be submitted to the TCEQ.

☐ The proposed AST is located on the Transition Zone and a WPAP is not required. Information requested in 30 TAC 213.5 subsection (b) (4)(B) and (C) and (5) is provided with this application. (Forms TCEQ-0600 Permanent Stormwater Section and TCEQ-0602 Temporary Stormwater Section or Stormwater Pollution Prevention Plan/SW3P).

24. ☑ This facility is subject to the requirements for the reporting and cleanup of surface spills and overfills pursuant to 30 TAC 334 Subchapter D relating to Release Reporting and Corrective Action.

25. ☑ 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.

26. ☑ Any modification of this AST Facility Plan application will require executive director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

FAR SOUTH MINING NEEDMORE RANCH QUARRY

ABOVEGROUND STORAGE TANK INFORMATION

Tank, Substance Storage, and Construction

AST Number	Size (Gallons)	Material Stored	Tank Construction
1	300	Hydraulic Oil	Steel, Double-Walled
2	300	Motor Oil	Steel, Double-Walled
3	300	Transmission Oil	Steel, Double-Walled
4	300	Gear Oil	Steel, Double-Walled
5	300	Syrus 645 Oil	Steel, Double-Walled
6	300	Antifreeze	Steel, Double-Walled
7	12,000	Diesel Fuel	Steel, Double-Walled
Total Gallons	30,000		

All ASTs will be steel double-walled tanks that will be situated on level curbed concrete pad(s) away from routine traffic.

AST Facility Application Form Attachment A

Alternative Means of Secondary Containment

All tanks in this application are double-walled steel tanks. Double-walled tanks are manufactured to contain their entire contents in the double-walled exterior. The tanks are plumbed from the top of the tanks to prevent free outward flow of the tank contents. For double-walled tanks, the interstitial space between the steel walls serves as secondary containment. Discharges from the inner tank will flow into the outer wall that encloses it. Drainage from the interstices between the inner and outer tank is prevented by a drain plug in the exterior tank.

The interstitial space between the primary and secondary containers is inspected by operating personnel on a monthly basis to detect any leak of product from the primary container. Records of the inspections will be maintained on-site.

Spill and overfill control for the tanks will be provided by confirming available tank capacity prior to filling and observation during and at the conclusion of filling. Drain pans will be used to control drips and spills during filling and dispensing. Piping will be aboveground and single-walled. To provide secondary containment for piping, drain pans will be used during fueling for spill control. All piping and refueling activities will take place over curbed concrete pads.

AST Facility Application Form Attachment B

Scaled Drawings of Containment Structures

Please refer to the included tank specifications and containment drawings.

AST Facility Application Form Attachment D

Spill and Overfill Control

Personnel in charge of loading/unloading fuel, lubricants, and other chemicals will be trained to utilize proper techniques and preventive measures to avoid spills, leaks, or drips. Tank levels will be checked prior to loading/unloading and the operator will remain present at all times during the tank loading/unloading process.

The site will be subject to the Environmental Protection Agency's (EPA's) requirements for oil spill prevention, control, and countermeasures (SPCC) as specified in 40 CFR 112. Accordingly, Far South will prepare and implement a SPCC Plan in conformance with these requirements and industry best practices.

AST Facility Application Form Attachment E

Spill Preparation and Response Actions

Education

1) Be aware that various 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 a spill must be reported to the TCEQ.
2) Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
3) Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
4) Establish a continuing education program to teach new employees the existing rules.
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 safely accomplished, spills of oil, petroleum products, 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 cleanup materials where 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 cleaned up activities.
7) Do not bury or wash spills away with water.
8) Store and dispose of used cleanup materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.
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, accessible location.
12) Keep waste storage areas clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials that are being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper functionality.

Cleanup

1) Clean up leaks and spills immediately.
2) Any spills from an AST facility must be removed from the controlled drainage area for disposal as soon as practicable, but not more than 24 hours of the spill.
3) 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.
4) 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 material on small spills rather that hosing down or trying to bury 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.

Semi-Significant Spills

Semi-significant spills can be controlled by the first responder, along with the assistance of other personnel such as laborers, the foreman, etc. This response may require the cessation of all other on-site activities. These spills should be addressed immediately.

1) Contain the spread of the spill.
2) Notify the project foreman as soon as possible.
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 a dirt area, contain the spill in an earthen dike as soon as possible. Then, dig up and dispose of the spill as soon as possible.
5) If the spill occurs during rain, cover the spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

For significant spills that fall under the reportable quantities please:

1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) between 8AM and 5PM. If after hours, please 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.

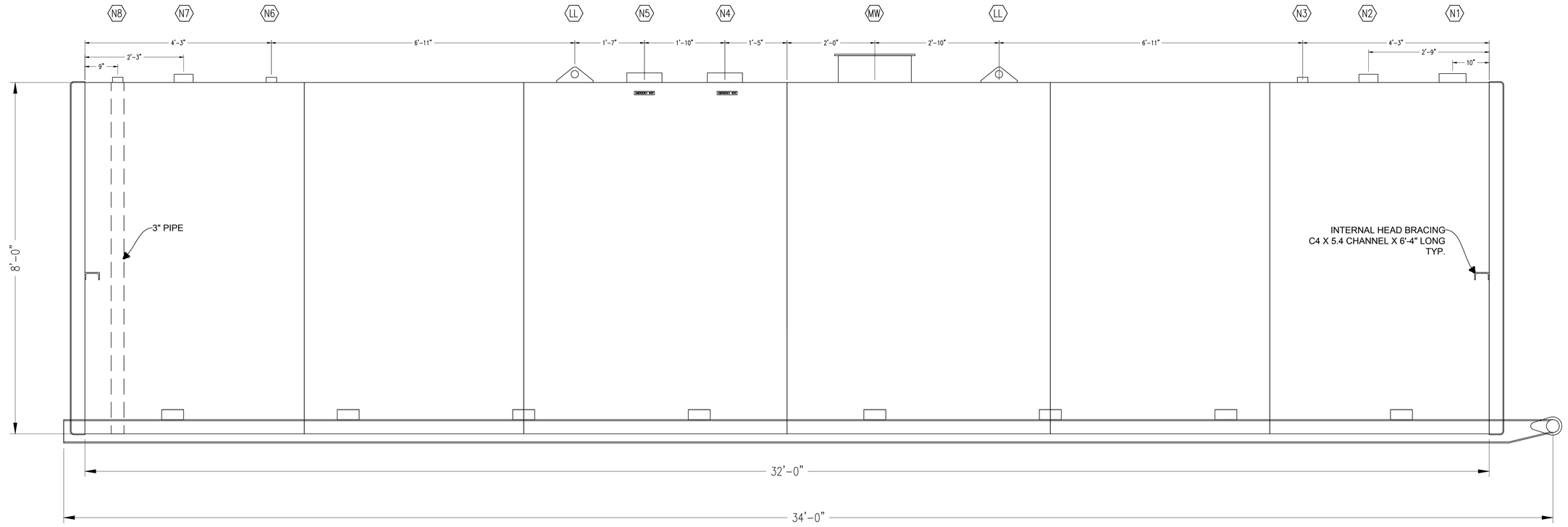
2) For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110, 119, and 302, the contractor should notify the National Response Center at 1-800-424-8802.
3) Notification should first be made by telephone and followed up with a written report.
4) The services of a spill response contractor or a Haz-Mat team should be obtained as soon as possible. Construction personnel should not attempt to clean up until qualified personnel have arrived at the job site.
5) Other agencies that my need to be consulted include, but are not limited to, the City Police Department, the County Sheriff's Office, Fire Departments, etc.

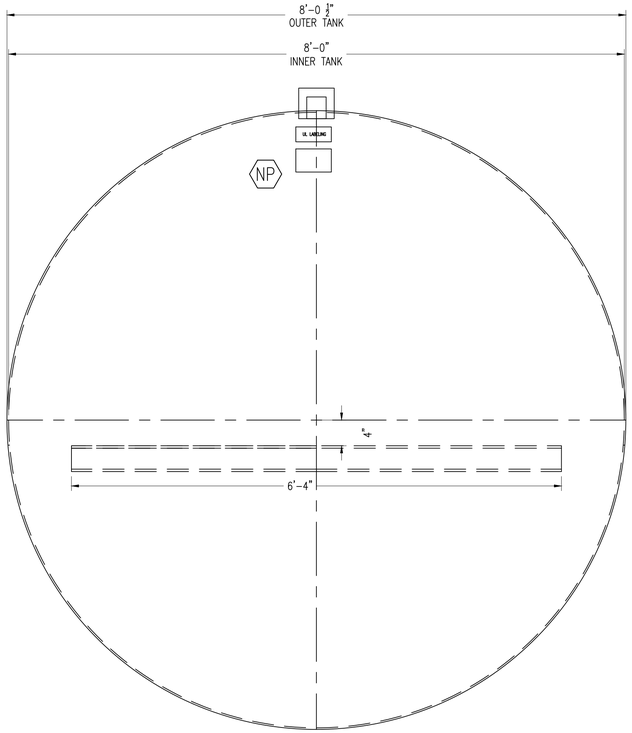
In the event of reportable spill, the following Emergency Response Agencies may be contacted for assistance. Always inform your supervisor of a reportable spill as soon as possible. Follow the company policy when responding to an emergency situation.

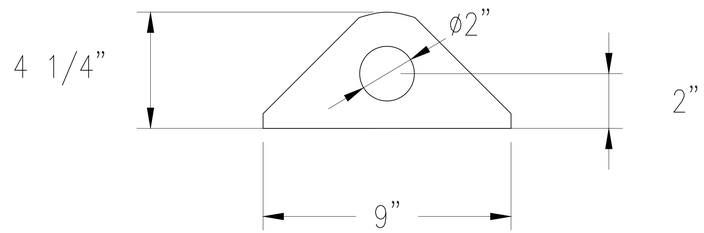
State Emergency Response Commission	(512) 463-7727
National Response Center	(800) 424-8802
US EPA Region 6, Dallas 24-hr Number	(866) 372-7745
National Weather Service	(281) 337-5074
TCEQ 24-hr	(800) 832-8224
TCEQ Region 11 Austin Office	(512) 339-2929
Hays County Sheriff	(512) 393-7800

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 drips/spills.

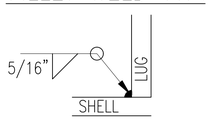






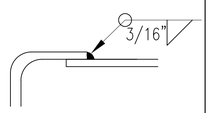
LIFTING LUG 1/2" PLT

LIFTING LUG
FILLET WELD TYP.



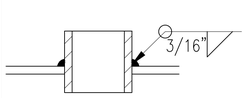
WPS: FCAW

HEAD TO SHELL



WPS: SAW, FCAW

COUPLING TO SHELL



WPS: FCAW

FUEL TANK

SERIAL NO. LEASE/WELL OPTIMAL CAPACITY

DIAMETER OF OUTER SHELL 8'-0" LENGTH OF OUTER SHELL 32'-0"
DIAMETER OF INNER SHELL 7'-11 1/2"" LENGTH OF INNER SHELL 32'-0"
EST. WEIGHT 19000 LBS (EMPTY) DESIGN PRESSURE MAX. ATMOSPHERE
NOMINAL RATED CAPACITY 12000 GAL. US ACTUAL CAPACITY 12033 GAL. US
UL SPEC. UL - 142 STANDARD AIR TEST PRESSURE 5 PSI
LADDER N/A WALKWAY N/A LIFTING LUGS 1/2" ASTM SA-36
HEADS PRIMARY .24" MIN FLAT FLANGED SA-36 SHELL PRIMARY .24" MIN ASTM SA-36
HEADS SECONDARY .187" MIN FLAT FLANGED SA-36 SHELL SECONDARY .187" MIN ASTM SA-36
EMERGENCY VENT 8" NORMAL VENT 2 1/2" REVISIONS REV0

EXTERNAL PAINT SPEC.
SPECIFY

INTERNAL PAINT SPEC.
N/A

NOTES

THIS TANK SHALL BE BUILT AND LABELED PER UL 142 STANDARD FOR STEEL ABOVEGROUND TANKS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS.

THIS TANK AND ANNULAR SPACE REQUIRES EMERGENCY VENTING CAPACITY NOT LESS THAN 442960 CFH.

INTENDED FOR STATIONARY INSTALLATION ONLY.

PRESSURIZE PRIMARY TANK WHEN TESTING SECONDARY TANK.

CONNECTIONS

MK	SIZE	DESCRIPTION	RATING	TYPE	PROJ.	QTY.
N1	6"	PUMP OPENING	API 5L	NPT	50%	1
N2	4"	FILL OPENING	API 5L	NPT	50%	1
N3	2 1/2"	NORMAL VENT	API 5L	NPT	50%	1
N4	8"	EMERGENCY VENTING PRIMARY TANK	API 5L	NPT	50%	1
N5	8"	EMERGENCY VENTING SECONDARY TANK	API 5L	NPT	50%	1
N6	2"	LEVEL GAUGE	API 5L	NPT	50%	1
N7	4"	FILL OPENING	API 5L	NPT	50%	1
N8	2"	ANNULAR SPACE LEAK MONITORING	API 5L	NPT	50%	1
MW	N/A	18" MANWAY	SA-36	PLT	***	1
LL	N/A	LIFTING LUG 1/2" PLT. SA-36	SA-36	PLT	***	2

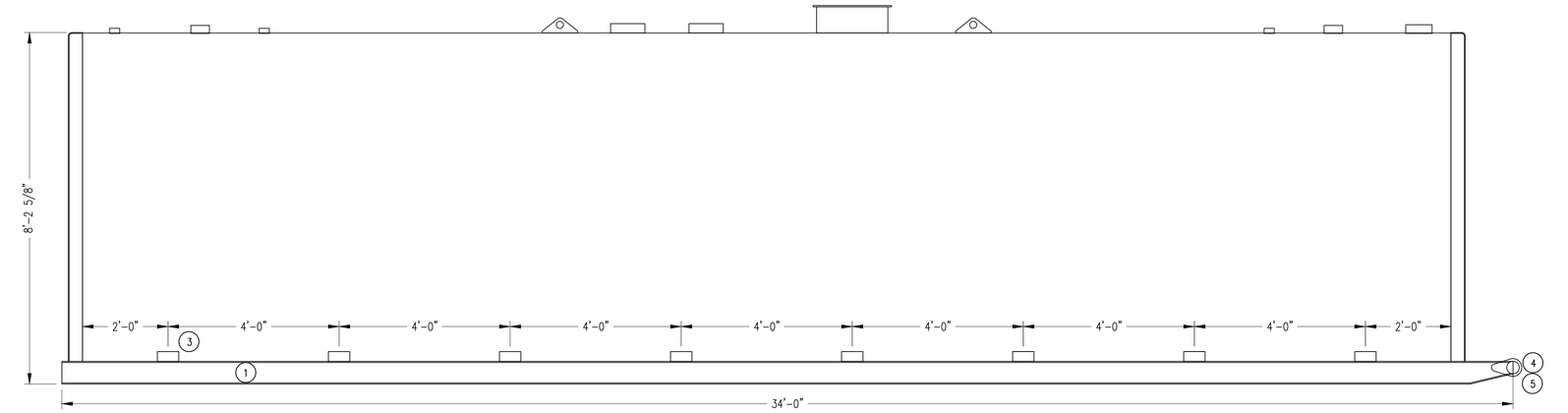
REVISION DATE	NOTES
OCT. 27, 2020 LW	REV0 - ORIGINAL DRAWING

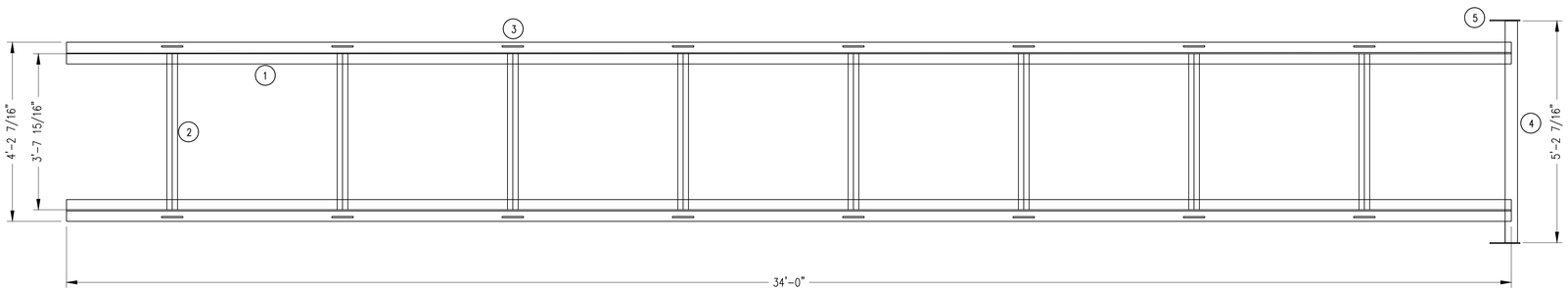
Agreed to as shown: _____
Authorized Agent's Signature
Printed Name: _____ Date: _____

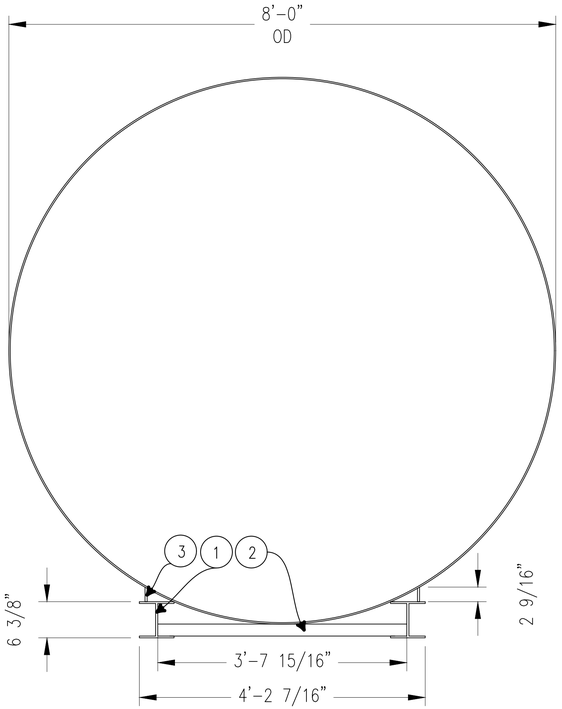
12000 GAL
96" OD X 32'
DOUBLE WALL FUEL TANK

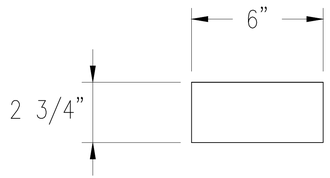
DRAWING #: 12000galHDW
REV0

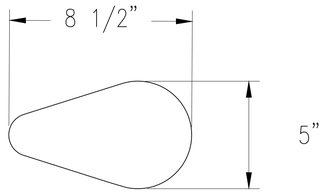
FOX TANK COMPANY
117 AIRPORT COMMERCE PKWY.
KERRVILLE TX, 78028
(830) 792-0770

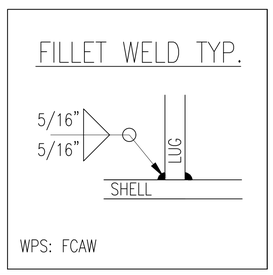












NOTES

BILL OF MATERIALS

MK		DESCRIPTION	QTY.
1		SKID BEAM. W6 X 25. 34' LONG	2
2		SKID FRAME ANGLE. 2" X 2" X 1/4" ANGLE IRON. 3'-7 15/16" LONG	8
3		TANK SUPPORT PLATE. 3/8" SA-36. 6" X 2 9/16"	16
4		TUG BAR. 3" SCH 80. 5' - 2 7/16"	1
5		PIPE END CAP. 1/4" SA-36. 8 1/2" X 5"	2

REVISION DATE	NOTES
JUNE 23, 2020 LW	REV0 - ORIGINAL DRAWING

Agreed to as shown: _____

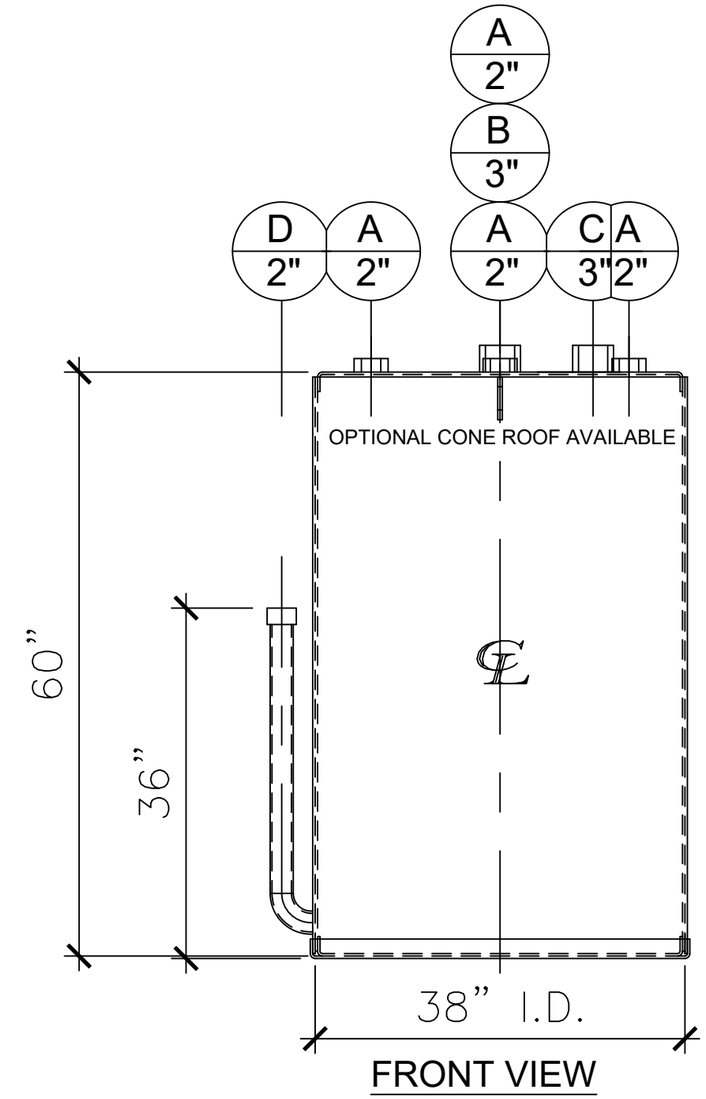
Authorized Agent's Signature

Printed Name: _____ Date: _____

12,000 GAL
96" OD X 32'
SKID DESIGN

DRAWING #: designskid8X32
REV0

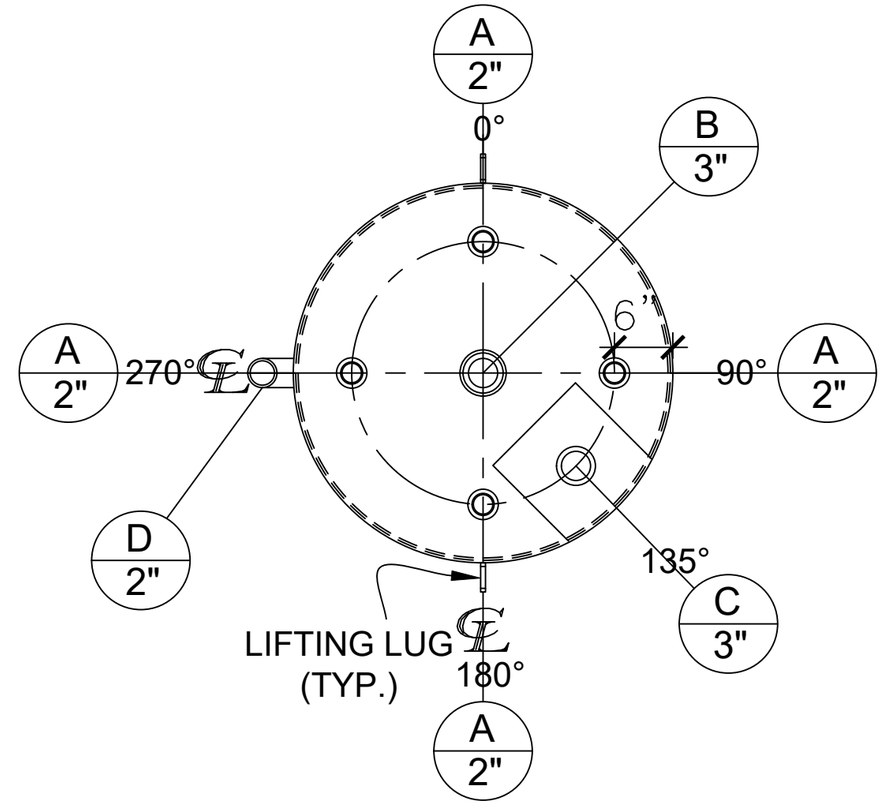
FOX TANK COMPANY
117 AIRPORT COMMERCE PKWY.
KERRVILLE TX, 78028
(830) 792-0770



FRONT VIEW

NOZZLE SCHEDULE

ITEM	SIZE	RATING	TYPE	MATL	PROJ. IN	PROJ. OUT	REMARKS	NOTES
A	2"	N.P.T.	CPL.	C.S.	STD.	STD.	-	-
B	3"	N.P.T.	CPL.	C.S.	STD.	STD.	PRIMARY	EMERGENCY VENT OPENING
C	3"	N.P.T.	CPL.	C.S.	STD.	STD.	SECONDARY	EMERGENCY VENT OPENING
D	2"	N.P.T.	PIPE	C.S.	STD.	STD.	-	MONITORING PORT



PLAN VIEW

NOTES:

A. Material: H.R. Carbon Steel.
B. Design Pressure: Atmospheric.
C. Design Temperature: Ambient.
D. Built & labeled per U.L. spec. #142.
E. Exterior: One coat gray primer. See sales order for top coat.
F. All fittings to be protected for shipment.
G. Customer to verify nozzle sizes, locations and quantities.

APPROVAL FOR CONSTRUCTION
SCHEDULE A - MASTER TERMS & CONDITION OF SALE"

☐ APPROVED AS DRAWN.

☐ APPROVED WITH NOTED CHANGES, CONSTRUCTION WILL BE SCHEDULED WHEN SIGNED DRAWING AND CONFIRMED ORDER ARE RECEIVED.

SIGNATURE:_____

DATE:_____

*All pages of this Schedule A are incorporated by reference and are a part of the additional terms of the Master Terms & Conditions of Sale. www.newberrytanks.com/masterterms.pdf

SALES ORDER:-

WEIGHT (LBS): 775

All units inches unless stated otherwise

TECALEMIT USA

DESCRIPTION:

300 Gallon 38" I.D. x 5'-0" Shell Height Double Wall Vertical Tank

CUSTOMER:

P.O.#

DATE: 4/6/2023

SCALE:

DWG.# NB00300DWV03812G

DRAWN BY: AJC

SHEET 1 OF 1

TEMPORARY STORMWATER SECTION

Temporary Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(A), (B), (D)(I) and (G); Effective June 1, 1999

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

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

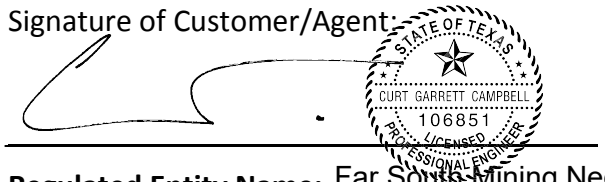
Signature

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

Print Name of Customer/Agent: Curt Campbell, P.E.

Date: 9/1/2023

Signature of Customer/Agent:



Regulated Entity Name: Far South Mining Needmore Ranch Quarry

Project Information

Potential Sources of Contamination

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

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

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

   These fuels and/or hazardous substances will be stored in: Diesel Fuel and various engine fluids, see attached AST Plan application

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

☐ Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.

☑ Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.

☐ Fuels and hazardous substances will not be stored on the site.

2. ☑ **Attachment A - Spill Response Actions**. A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.

3. ☑ Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.

4. ☑ **Attachment B - Potential Sources of Contamination**. A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

5. ☑ **Attachment C - Sequence of Major Activities**. A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.

   ☑ For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.

   ☑ For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.

6. ☑ Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: Sink Creek

Temporary Best Management Practices (TBMPs)

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

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

☐ A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.

☑ A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.

☑ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.

☑ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.

8. ☑ The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.

   ☐ **Attachment E - Request to Temporarily Seal a Feature**. A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.

   ☑ There will be no temporary sealing of naturally-occurring sensitive features on the site.

9. ☑ **Attachment F - Structural Practices**. A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.

10. ☑ **Attachment G - Drainage Area Map**. A drainage area map supporting the following requirements is attached:

    ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.

    ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.

    ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.

    ☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

☑ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.

11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations**. Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.

    ☑ N/A

12. ☑ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.

13. ☑ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.

14. ☑ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).

15. ☑ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.

16. ☑ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

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

18. ☑ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

19. ☑ Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

20. ☑ All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.

21. ☑ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.

22. ☑ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

TEMPORARY STORMWATER SECTION ATTACHMENT A

Spill Preparation and Response Actions

Education

1) Be aware that various 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 a spill must be reported to the TCEQ.
2) Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
3) Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
4) Establish a continuing education program to teach new employees the existing rules.
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 safely accomplished, spills of oil, petroleum products, 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 cleanup materials where 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 cleaned up activities.
7) Do not bury or wash spills away with water.
8) Store and dispose of used cleanup materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.
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, accessible location.
12) Keep waste storage areas clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials that are being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper functionality.

Cleanup

1) Clean up leaks and spills immediately.
2) Any spills from an AST facility must be removed from the controlled drainage area for disposal as soon as practicable, but not more than 24 hours of the spill.
3) 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.
4) 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 material on small spills rather that hosing down or trying to bury 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.

Semi-Significant Spills

Semi-significant spills can be controlled by the first responder, along with the assistance of other personnel such as laborers, the foreman, etc. This response may require the cessation of all other on-site activities. These spills should be addressed immediately.

1) Contain the spread of the spill.
2) Notify the project foreman as soon as possible.
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 a dirt area, contain the spill in an earthen dike as soon as possible. Then, dig up and dispose of the spill as soon as possible.
5) If the spill occurs during rain, cover the spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

For significant spills that fall under the reportable quantities please:

1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) between 8AM and 5PM. If after hours, please 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, 119, and 302, the contractor should notify the National Response Center at 1-800-424-8802.
3) Notification should first be made by telephone and followed up with a written report.
4) The services of a spill response contractor or a Haz-Mat team should be obtained as soon as possible. Construction personnel should not attempt to clean up until qualified personnel have arrived at the job site.
5) Other agencies that my need to be consulted include, but are not limited to, the County Sheriff's Office, Fire Departments, etc.

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

State Emergency Response Commission	(512) 463-7727
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 Austin Office	(512) 339-2929
Hays County Sheriff	(512) 393-7800

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 drips/spills.

Portable Toilet BMPs

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

A licensed waste collector should service all the toilets/tanks. **The following tasks will be performed by the portable toilet supplier:**

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

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

Far South Mining
Needmore Ranch 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: _____

_____

_____

_____

Emergency Number for the National Response Center 1-800-424-8802

TEMPORARY STORMWATER SECTION ATTACHMENT B

Potential Sources of Contamination

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

Temporary Stormwater Section Attachment C

Sequence of Major Activities

Far South Mining will first construct the entry road from compacted base material. The entry road area will be approximately 0.95 acres. Far South Mining will also install a curbed concrete AST pad , approximately 0.09 acres in area, and a scale house near the site entrance, approximately 0.03 acres in area. Clearing will begin in the initial 4.8 acre quarry pit area as shown in the attached WPAP Site Plan. The portable crusher will be placed in this initial pit area. The cleared topsoil will be used to construct earthen berms surrounding the initial pit. Berms will be 2-4 feet high.

The initial pit area will be quarried to a depth of approximately 1-2 feet, then the initial pit will be used as a temporary stockpile area. Portions of the site, less than 10 acres, will be cleared in stages as quarrying progresses. The earthen berms surrounding the quarry will expand with the quarry to the Final Earthen Berm. A 25 foot natural vegetated buffer will be maintained around the mapped floodplain onsite until appropriate permits can be obtained to mine through this area. In addition, a natural vegetated buffer with a minimum width of 50 feet will be maintained between the edge of disturbance for the quarry activities and the property line.

TEMPORARY STORMWATER SECTION ATTACHMENT D

Temporary Best Management Practices and Measures

a) 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 quarry area is cleared and topsoil is removed, earthen berms will be constructed around the initial pit . Upgradient berms will direct stormwater runoff around disturbed areas of the site.

As the quarry expands, the earthen berms will be moved/expand throughout the life of the project to maintain stormwater control. A 25 foot natural vegetated buffer will be maintained around the mapped floodplain onsite. This buffer will be maintained until appropriate permits can be obtained to mine through the area. In addition, a natural vegetated buffer with a minimum width of 50 feet will be maintained between the edge of disturbance for the quarry activities and the property line. This natural vegetated buffer will serve as a final buffer for stormwater runoff leaving the disturbed portion of the site.

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

As the quarry expands, the earthen berms will be moved/expand throughout the life of the project to the Final Earthen Berm. A 25 foot natural vegetated buffer will be maintained around the mapped floodplain onsite. This buffer will be maintained until mining begins in the area. In addition, a natural vegetated buffer with a minimum width of 50 feet will be maintained between the edge of disturbance for the quarry activities and the property line. This natural vegetated buffer will serve as a final buffer for stormwater runoff leaving the disturbed portion of the site.

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

Earthen berms and vegetated areas will be constructed/maintained as shown on the attached WPAP Site Plan to prevent pollutants from entering surface streams, sensitive features, and the aquifer.

Temporary natural existing vegetation will be maintained in a 25 foot buffer along the blue line feature onsite. These buffers will be maintained until mining begins in the area. In addition, a natural vegetated buffer with a minimum width of 50 feet will be maintained between the edge of disturbance for the quarry activities and the property line (except where noted on the WPAP Site Map). This natural vegetated buffer will serve as a final buffer for stormwater runoff leaving the active portion of the site.

There were no sensitive features identified in the Geologic Assessment.

d) 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.

No sensitive features were identified in the Geologic Assessment.

Far South Mining will provide initial feature recognition training to mining staff within 90 days of approval of this WPAP application. 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/her designee using a training program prepared by a PG.

The Site Supervisor or his/her 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 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 continuing quarry operations. A Professional Geologist 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 vicinity of the feature until the TCEQ approved method for addressing the feature has been carried out.

TEMPORARY STORMWATER SECTION ATTACHMENT E

Request to Temporarily Seal a Feature

There are no features currently Identified that need to be sealed.

TEMPORARY STORMWATER SECTION ATTACHMENT F

Structural Practices

Temporary best management practices proposed for the quarry include earthen berms and natural vegetated buffers. The buffers are used to limit runoff discharge of sediment. The earthen berms are used to store flows 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 attached Site Plan.

TEMPORARY STORMWATER SECTION ATTACHMENT H

Temporary Sediment Pond Plans and Calculations

No sediment pond is planned for the Site.

TEMPORARY STORMWATER SECTION ATTACHMENT I

Inspection and Maintenance for BMPs

The earthen berms and vegetated buffers should be inspected weekly. 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. If a berm is not longer able to properly filter the sediment from the stormwater due to contamination from silt, it should be replaced. Trash should be removed and any eroded areas of buffers should be reseeded.

Far South Mining will be authorized to discharge stormwater under the TPDES General Permit No. TXR050000 for industrial activities. Requirements of the general permit include maintaining a SWP3 which included inspections of stormwater best management practices and sampling of stormwater that is discharged from the site.

It is not anticipated that dewatering of the quarry 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 Section J for Mineral Mining and Processing Facilities.

		Weekly			
		Vegetated Buffers		Earthen Berms	
Date	Inspector Signature	Trash	Vegetative Cover/Erosion	Erosion of Earthen Berm	Additional Comments

If the answer to any of the above questions is "yes", perform maintenance/repair/replacement as described below or in accordance with TCEQ Technical Guidance on BMPs.

Earthen Berm

* Erosion of earthen berm - fill eroded areas and compact

Natural Vegetated Buffers

* Remove trash if present
* Reseeed eroded areas to reestablish vegetation

Temporary Stormwater Section Attachment J

Schedule of Soil Stabilization Practices

Areas Outside the Pit:

Cleared areas and interim earthen berms may be disturbed for more than 14 days without stabilization because it is not practical to continually stabilize small areas prior to excavation or stabilize the earthen berms that are frequently relocated. 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 structural 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 within 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. Material stockpiles will be located within the quarry pit.

For the case when the quarry operations have been completed (permanently ceased), all stormwater will be retained in the pit. The Final Earthen Berm outside the pit will be stabilized with native grasses. The undisturbed vegetated buffers shown on the WPAP Site Plan 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. The BMPs discussed in the WPAP Temporary Stormwater Section Attachment D will mitigate infiltration of stormwater into the quarry floor. 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

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)(Ii), (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.

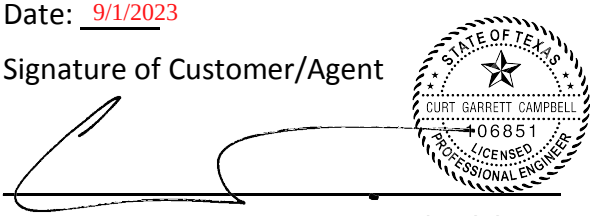
Signature

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: Curt Campbell, P.E.

Date: 9/1/2023

Signature of Customer/Agent



Regulated Entity Name: Far South Mining Needmore Ranch Quarry

Permanent Best Management Practices (BMPs)

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

1. ☑ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.

   ☐ N/A

2. ☑ 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: TCEQ's Best Management Practices for Quarry Operations (RG-500)

☐ 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

PERMANENT STORMWATER SECTION ATTACHMENT A

20% or Less Impervious Cover Waiver

The applicant is not requesting an impervious cover waiver.

PERMANENT STORMWATER SECTION ATTACHMENT B

BMPs for Upgradient Stormwater

The temporary earthen berms that are constructed as clearing occurs will expand as the size of the quarry expands. The earthen berms will expand throughout the life of the project to the Final Earthen Berm shown on the WPAP Site Plan. The Final Earthen Berm will be vegetated with native grasses to stabilize soils.

Permanent stormwater controls are those that are to remain in place after construction has been completed. The vegetated Final Earthen Berm and the 50 foot natural vegetated buffer will be located along the perimeter of the site.

PERMANENT STORMWATER SECTION ATTACHMENT C

BMPs for On-site Stormwater

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 temporary earthen berms vegetated areas, and the pit which will be constructed as shown on the WPAP Site Plan.

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, the vegetated Final Earth Berm and the 50 foot vegetated buffer that surround most of the site will be located along the property boundary.

PERMANENT STORMWATER SECTION ATTACHMENT D

BMPs for Surface Streams

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 (no sensitive features were identified during the geologic assessment). The earthen berms that surround future disturbed areas will expand to protect the onsite blue line feature as mining activities approach.

Temporary natural existing vegetation will be maintained in a 25 foot buffer along the mapped floodplain onsite. These buffers will be maintained until mining begins in the area. The onsite blue line feature is proposed to be mined through.

Permanent stormwater controls are those that are to remain in place after construction has been completed. The vegetated Final Earthen Berm and the 50 foot natural vegetated buffer will be located along the perimeter of the site.

Any possibly sensitive geologic feature discovered by mining staff will be evaluated by a Professional Geologist and, if determined to be sensitive, will be reported to TCEQ. An appropriate method for addressing the feature will be formulated by a Professional Geologist and/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 said feature has been carried out.

PERMANENT STORMWATER SECTION ATTACHMENT E

Request to Seal Features

There are no features currently identified that need to be sealed.

PERMANENT STORMWATER SECTION ATTACHMENT F

Construction Plans

See attached WPAP Site Plan.

PERMANENT STORMWATER SECTION ATTACHMENT G

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. Any erosion of berms should be backfilled and compacted as soon as possible.

Vegetated buffers should be inspected at least twice annually, until the Final Earthen Berm has been vegetated, for erosion or any 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.

Far South Mining, LLC.

Inspection, Maintenance, Repair and Retrofit Plan

I, Brandon Tausch, have read and understand the Inspection, Maintenance, Repair and Retrofit (IMRR) Plan contained in this Water Pollution Abatement Plan (WPAP) Modification plan.

I understand the specific Permanent Best Management Practices (PBMPs) and associated inspection and maintenance schedule which are outlined in this IMRR Plan. Far South Mining, LLC. 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: Brandon Tausch
Far South Mining, LLC.

Signature _____ Date: 8/30/2023

Name and signature of Engineer

Print Name: Curt G. Campbell, P.E.
Westward Environmental, Inc.

Signature _____ Date: 9/1/2023

PERMANENT STORMWATER SECTION ATTACHMENT H

Pilot-Scale Field Testing Plan

The permanent BMPs that Far South plans to use follow the TCEQ Technical Guidance Manual (TGM) and TCEQ's Best Management Practices for Quarry Operations (RG-500). A pilot-scale field testing plan is not required.

PERMANENT STORMWATER SECTION ATTACHMENT I

Measures for Minimizing Surface Stream Contamination

To avoid surface stream contamination, natural existing vegetation will be maintained in a 25 foot buffer along the 100-year floodplain of the onsite blue line feature to filter sediment in stormwater runoff until quarrying of those areas begins. In addition, a natural vegetated buffer with a minimum width of 50 feet will be maintained between the edge of disturbance for the quarry activities and the property line (except where noted on the WPAP Site Plan). This natural vegetated buffer will serve as a final buffer for stormwater runoff leaving the active portion of the site.

AGENT AUTHORIZATION FORM

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

I Zachary Tausch,
Print Name

President,
Title - Owner/President/Other

of Far South Mining,
Corporation/Partnership/Entity Name

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

of Westward Environmental, Inc.
Print Name of Firm

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

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to $10,000 per day per violation.

2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.

3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.

4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.

5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

Zachary Tausch
Applicant's Signature

08/25/2023
Date

THE STATE OF Texas §
County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared Zachary Tausch 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 25th day of August 2023

Cynthia
NOTARY PUBLIC

CYNTHIA LIZZETH ABOYTEZ
Notary ID #130813565
My Commission Expires
September 22, 2024

Cynthia Aboytez
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 09/22/2024

APPLICATION FEE FORM

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: Far South Mining Needmore Quarry
Regulated Entity Location: 2.5 miles north of the intersection of Fulton Ranch Road and R.R. 12
Name of Customer: Far South Mining, LLC
Contact Person: Ken Blankenburg Phone: (201) 382-5866
Customer Reference Number (if issued):CN 604026567
Regulated Entity Reference Number (if issued):RN 111188637

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
☒ Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☐ San Antonio Regional Office
☐ Overnight Delivery to: TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
(512)239-0357

Site Location (Check All That Apply):

☒ Recharge Zone ☐ Contributing Zone ☐ Transition Zone

Type of Plan	***Size***	***Fee Due***
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	200 Acres	$ 10,000.00
Sewage Collection System	L.F.	$
Lift Stations without sewer lines	Acres	$
Underground or Aboveground Storage Tank Facility	7 Tanks	$ 4,550.00
Piping System(s)(only)	Each	$
Exception	Each	$
Extension of Time	Each	$

Signature: _____ Date: 9/1/2023

Application Fee Schedule

Texas Commission on Environmental Quality
Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

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.*)

☒ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal (*Core Data Form should be submitted with the renewal form*) ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 604026567		RN 111188637

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ 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:*

Far South Mining, LLC

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☐ 0-20 ☒ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?
☐ Yes ☒ No

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address: 8845 W Loop 1604 N

City	State	ZIP	ZIP + 4
San Antonio	TX	78254	

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(210) 688-2607		( ) -

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*)

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ 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.*)

Needmore Ranch Quarry

23. Street Address of the Regulated Entity: *(No PO Boxes)*	N/A						
	City		**State**		**ZIP**		**ZIP + 4**
24. County	Hays						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	From the intersection of Ranch Road 12 and Fulton Ranch Rd, travel 2.5 miles N on Fulton Ranch Rd to private gate at site entrance on right

26. Nearest City	**State**	**Nearest ZIP Code**
Wimberley	TX	78666

27. Latitude (N) In Decimal:	29.943620	**28. Longitude (W) In Decimal:**	-98.024388

Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
1422			

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Aggregate and stone mining and production

34. Mailing Address:	**8845 W Loop 1604 N**						
	City	**San Antonio**	**State**	**TX**	**ZIP**	**78254**	**ZIP + 4**

35. E-Mail Address:	

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(210) 688-2607		**( ) -**

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.

☐ Dam Safety	☐ Districts	☒ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
		TBD		
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
	TXR1597EL			
☐ Voluntary Cleanup	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☒ Other: Air Non-Permitted
				R11111202982

SECTION IV: Preparer Information

40. Name:	Michele G Foss	**41. Title:**	

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(713) 203-7865		( ) -	txags92@swbell.net

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:	Far South Mining, LLC	**Job Title:**	
Name *(In Print):*	Michele G Foss	**Phone:**	(713) 203- **7865**
Signature:	Michele Gatlin Foss	**Date:**	12/22/2022

Applicant Acknowledgement

I, Lloyd Tausch of Far South Mining LLC

Applicant Signatory Name Applicant Name (Legal Entity or Individual)

acknowledge that Needmore River Ranch

Land Owner Name (Legal Entity or Individual)

has provided Far South Mining LLC

Applicant Name (Legal Entity or Individual)

with the right to possess and control the property referenced in the Edwards Aquifer protection plan. I understand that Far South Mining LLC

Applicant Name (Legal Entity or Individual)

is contractually responsible for compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation. I further understand that failure to comply with any condition of the executive director's approval is a violation is subject to administrative rule or orders and penalties as provided under §213.10 (relating to Enforcement). Such violation may also be subject to civil penalties and injunction.

Applicant Signature

Lloyd Tausch 09/06/2023

Applicant Signature Date

THE STATE OF § Texas

County of § Bexar

BEFORE ME, the undersigned authority, on this day personally appeared Lloyd Tausch 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 6th day of September

Cynthia

NOTARY PUBLIC

CYNTHIA LIZZETH ABOYTEZ
Notary ID #130813565
My Commission Expires
September 22, 2024

Cynthia Aboytez

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 09/22/2024

Owner Authorization Form

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

Land Owner Authorization

I, _____ Needmore Ranch

Land Owner Signatory Name — Land Owner Name (Legal Entity or Individual)

am the owner of the property located at

A0368 HUGH G PANNELL SURVEY & A0385 F W ROBERTSON SURVEY, ACRES 102.491

Legal description of the property referenced in the application

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

I do hereby authorize Far South Mining, LLC Needmore Ranch Quarry

Applicant Name (Legal Entity or Individual)

to conduct Limestone Aggregate Quarry

Description of the proposed regulated activities

at 200 acres within the Needmore Ranch property, located 2.5 miles N from the intersection of Fulton Ranch Road and Ranch Road 12

Precise location of the authorized regulated activities

Land Owner Acknowledgement

I understand that Needmore River Ranch

Land Owner Name (Legal Entity or Individual)

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

Land Owner Signature

Land Owner Signature

9-5-23
Date

THE STATE OF § Texas

County of § Hidalgo

BEFORE ME, the undersigned authority, on this day personally appeared Greg Lamanta 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 5TH day of Sept. 2023

Diana E. Garza
NOTARY PUBLIC

DIANA E. GARZA
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 11/15/2026

DIANA E. GARZA NOTARY PUBLIC STATE OF TEXAS ID# 124393922 EXPIRES 11-15-2026

Attached: (Mark all that apply)

- ☐ Lease Agreement
- ☐ Signed Contract
- ☐ Deed Recorded Easement
- ☐ Other legally binding document