Pelopi, LP

Water Pollution Abatement Plan
(WPAP)

Pelopi
CR231 & FM2843
Florence, TX
Williamson County

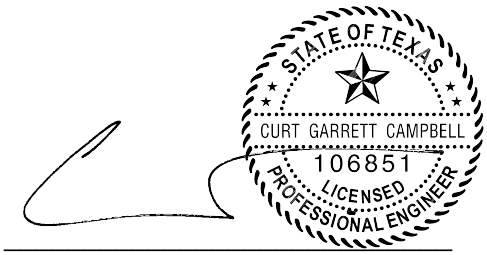
Submitted to: TCEQ Region 11, Austin

Prepared By:

WESTWARD
Environmental. Engineering. Natural Resources.

Boerne, Texas
830-249-8284

Date: June 2024
Project No. 11508-00
-NMS-



Signature: _____
Curt G. Campbell, PE - License No. 106851
TX PE Firm No. 4524
Date: 6/27/2024

Water Pollution Abatement Plan Checklist

- **Edwards Aquifer Application Cover Page (TCEQ-20705)**
- **General Information Form (TCEQ-0587)**

  Attachment A - Road Map
  Attachment B - USGS / Edwards Recharge Zone Map
  Attachment C - Project Description

- **Geologic Assessment Form (TCEQ-0585)**

  Attachment A - Geologic Assessment Table (TCEQ-0585-Table)
  Attachment B - Stratigraphic Column
  Attachment C - Site Geology
  Attachment D - Site Geologic Map(s)

- **Water Pollution Abatement Plan Application Form (TCEQ-0584)**

  Attachment A - Factors Affecting Surface Water Quality
  Attachment B - Volume and Character of Stormwater
  Attachment C - Suitability Letter from Authorized Agent (if OSSF is proposed)
  Attachment D - Exception to the Required Geologic Assessment (if requested)
  Site Plan

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

  Attachment A - Spill Response Actions
  Attachment B - Potential Sources of Contamination
  Attachment C - Sequence of Major Activities
  Attachment D - Temporary Best Management Practices and Measures
  Attachment E - Request to Temporarily Seal a Feature (if requested)
  Attachment F - Structural Practices
  Attachment G - Drainage Area Map
  Attachment H - Temporary Sediment Pond(s) Plans and Calculations
  Attachment I - Inspection and Maintenance for BMPs
  Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices

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

  Attachment A - 20% or Less Impervious Cover Waiver (if requested for multi-family, school, or small business site)
  Attachment B - BMPs for Upgradient Stormwater
  Attachment C - BMPs for On-site Stormwater
  Attachment D - BMPs for Surface Streams
  Attachment E - Request to Seal Features (if sealing a feature)
  Attachment F - Construction Plans
  Attachment G - Inspection, Maintenance, Repair and Retrofit Plan
  Attachment H - Pilot-Scale Field Testing Plan (if proposed)
  Attachment I -Measures for Minimizing Surface Stream Contamination

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

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.

3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.

4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

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

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.

6. If the geologic assessment was completed before October 1, 2004 and the site contains "possibly sensitive" features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.

2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

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

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

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity Name: Pelopi Quarry						**2. Regulated Entity No.:** New			
3. Customer Name: Pelopi LP						**4. Customer No.:** 606185189			
5. Project Type: **(Please circle/check one)**	New		Modification			Extension		Exception	
6. Plan Type: **(Please circle/check one)**	WPAP	CZP	SCS	UST	AST	EX	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential		Non-residential			**8. Site (acres):**			266.71
9. Application Fee:	$10,000		**10. Permanent BMP(s):**			Earthen berms, veg. buffers			
11. SCS (Linear Ft.):	N/A		**12. AST/UST (No. Tanks):**			N/A			
13. County:	Williamson		**14. Watershed:**			Brazos River Basin			

Application Distribution

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

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

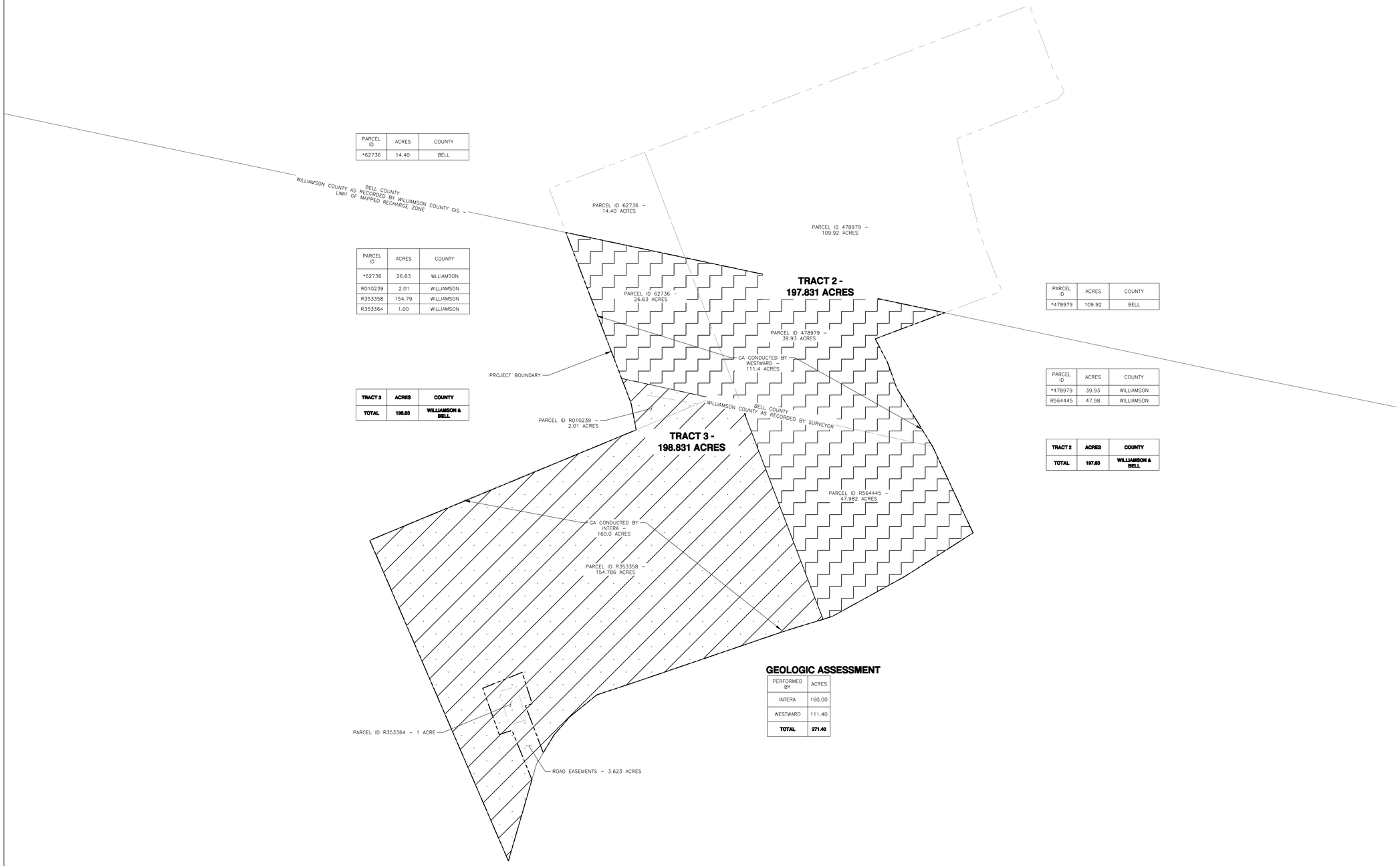
For more detailed boundaries, please contact the conservation district directly.

Austin Region			
County:	**Hays**	**Travis**	**Williamson**
Original (1 req.)	___	___	_X_
Region (1 req.)	___	___	_X_
County(ies)	___	___	_X_
Groundwater Conservation District(s)	___Edwards Aquifer Authority ___Barton Springs/ Edwards Aquifer ___Hays Trinity ___Plum Creek	___Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	___Austin ___Buda ___Dripping Springs ___Kyle ___Mountain City ___San Marcos ___Wimberley ___Woodcreek	___Austin ___Bee Cave ___Pflugerville ___Rollingwood ___Round Rock ___Sunset Valley ___West Lake Hills	___Austin ___Cedar Park X_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 ___ Comal Trinity	___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 ___ San Antonio	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 G. Campbell, P.E. TX License No. 106851 | TX Firm No. 4524
Print Name of Customer/Authorized Agent
Signature of Customer/Authorized Agent — Date: 5/28/2024

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):	



PARCEL ID	ACRES	COUNTY
*62736	14.40	BELL

PARCEL ID	ACRES	COUNTY
*62736	26.63	WILLIAMSON
R010239	2.01	WILLIAMSON
R353358	154.79	WILLIAMSON
R353364	1.00	WILLIAMSON

TRACT 3	ACRES	COUNTY
TOTAL	198.83	WILLIAMSON & BELL

PARCEL ID	ACRES	COUNTY
*478979	109.92	BELL

PARCEL ID	ACRES	COUNTY
*478979	39.93	WILLIAMSON
R564445	47.98	WILLIAMSON

TRACT 2	ACRES	COUNTY
TOTAL	197.83	WILLIAMSON & BELL

GEOLOGIC ASSESSMENT

PERFORMED BY:	ACRES
INTERA	160.00
WESTWARD	111.40
TOTAL	**271.40**

PROJECT LIMITS

PARCEL ID	ACRES WITHIN PROJECT BOUNDARY	COUNTY
R353358	154.786	WILLIAMSON
R010239	2.01	WILLIAMSON
R564445	47.98	WILLIAMSON
*62736	26.63	WILLIAMSON
*478979	39.93	WILLIAMSON
TOTAL	**271.34**	**N/A**
ROAD EASEMENTS	-3.62	WILLIAMSON
R353364	-1.00	WILLIAMSON
PROJECT BOUNDARY TOTAL	**266.71**	**N/A**

* LISTED IN BELL COUNTY CAD

AREAS ARE APPROXIMATE AND MAY NOT FOOT

N

0 200 400 800

SCALE: 1" = 400'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- WESTWARD GA AREA
- INTERA GA AREA

IMAGE:	N/A
ISSUE DATE:	5/29/2024
DRAWN BY:	NMS
CHECKED BY:	CGC
SCALE: 1" =	400'
JOB NO.:	11508-002

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

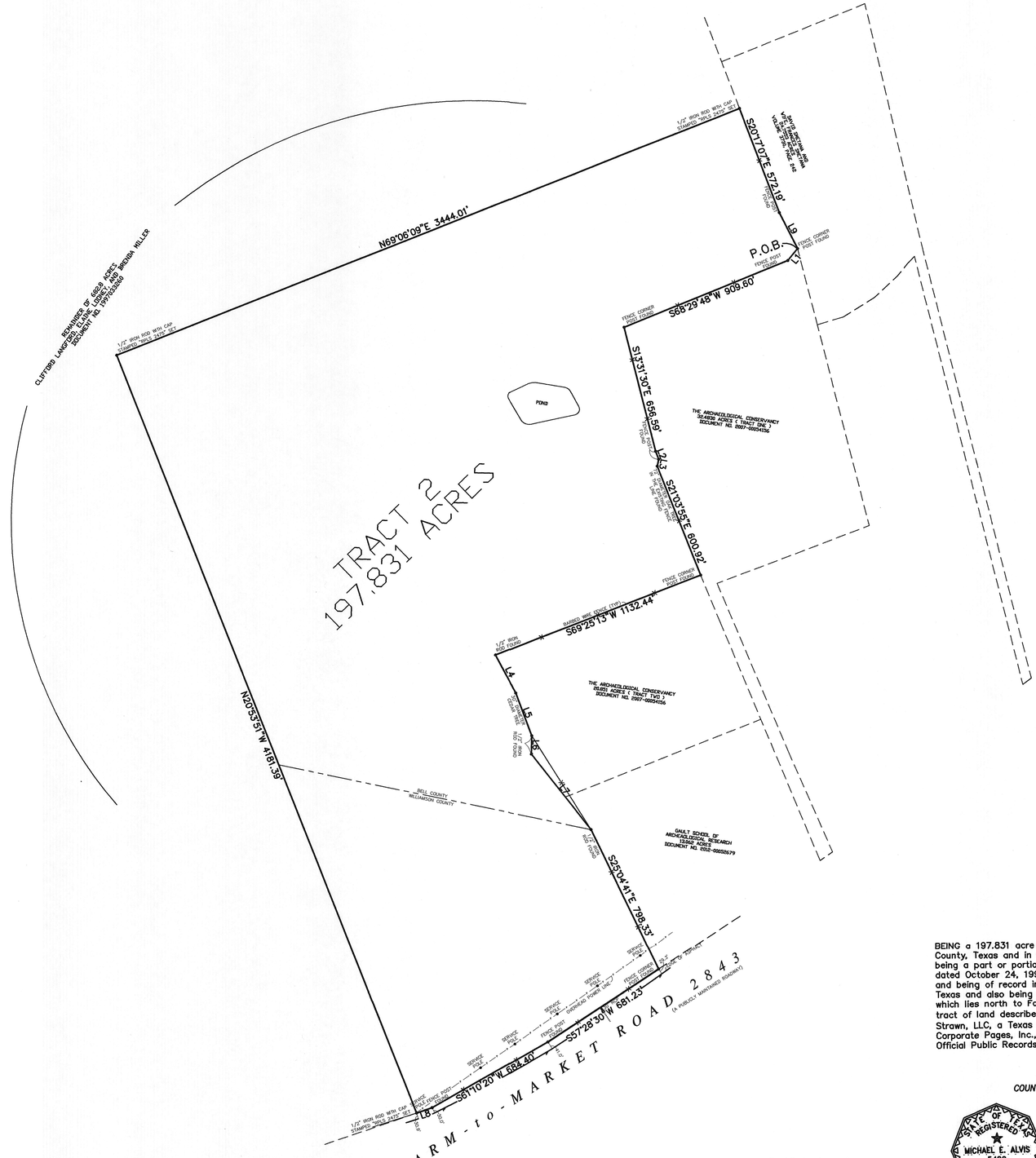
PARCEL MAP

WPAP – QUARRY

PELOPI LP

FLORENCE, TX

Line Table		
Line #	Length	Direction
L1	79.22	S39°24'43"W
L2	43.25	S20°40'14"E
L3	36.39	S12°00'33"W
L4	219.91	S27°32'01"E
L5	233.26	S19°43'34"E
L6	94.27	S01°18'46"W
L7	493.40	S37°37'41"E
L8	84.45	S71°48'46"W
L9	206.32	S26°20'00"E



BEING 197.831 ACRES MORE PARTICULARLY DESCRIBED IN SEPARATE FIELD NOTES.

The following documents affect this tract:
Vol. 2151, Pg. 111
Vol. 1315, Pg. 278

The following document does not affect this tract:
Vol. 3799, Pg. 366

BEING a 197.831 acre tract of land situated in the C. MYERS SURVEY, ABSTRACT No. 555, Bell County, Texas and in the J. MILLER SURVEY, ABSTRACT No. 414, Williamson County, Texas and being a part or portion of that certain 682.8 acre tract of land described in a Warranty Deed dated October 24, 1996 from O.F.Langford to Clifford Langford, Elaine Looney and Brenda Miller and being of record in Document No. 1997033260, Official Public Records of Williamson County, Texas and also being described in Volume 801, Page 680, Deed Records of Bell County, Texas which lies north to Farm-to-Market Road No. 2843, Save and Except that Certain 1.00 acre tract of land described in a General Warranty Deed dated November 20, 2008 from Dabney/Strawn, LLC, a Texas limited liability company, d/b/a Cybertel, a Texas Corporation to Electric Corparate Pages, Inc., a Texas corporation and being of record in Document No. 2008087441, Official Public Records of Williamson County, Texas.

STATE OF TEXAS ¥
COUNTY OF BELL/WILLIAMSON ¥

KNOW ALL MEN BY THESE PRESENTS, that I Michael E. Alvis, a Registered Professional Land Surveyor in the State of Texas, do hereby certify that this survey was this day made on the ground of the property described herein and is correct and that there are no discrepancies, conflicts, shortages in the area, easements, and right-of-ways except as shown hereon, that this tract of land has access to and from a public road, and I have marked all corners with monuments.

This Property is not within the Special Flood Hazard Area as per the Federal Emergency Management Agency Federal Insurance Administration Map No. 48027C0500E, dated September 26, 2008.

IN WITNESS THEREOF, my hand and seal, this the 15th day of August, 2016.

STATE OF TEXAS
REGISTERED
MICHAEL E. ALVIS
5402
PROFESSIONAL LAND SURVEYOR

Michael E. Alvis, R.P.L.S., No. 5402

600 300 0 150 300
SCALE 1:300

TURLEY ASSOCIATES, INC.
ENGINEERING • PLANNING • SURVEYING
301 N. 3rd St. 76501
TEMPLE, TEXAS
254.773.2400
fax 254.773.3998
www.turley-inc.com
SURVEY FIRM NO. 10056000 • ENGINEERING FIRM NO. 1658

SURVEY OF:
197.831 ACRES
C. MYERS SURVEY, ABSTRACT No. 555
BELL COUNTY, TEXAS
J. MILLER SURVEY, ABSTRACT No. 414
WILLIAMSON COUNTY, TEXAS

PREPARED FOR:
PERGAMOS, LP
5416 BIRCHMAN AVENUE
FT WORTH, TEXAS 76107

REVISIONS

DATE	DESCRIPTION	DFTR

DRAFTSMAN:
MATT KELLY
DATE:
AUGUST 15, 2016
COMPUTER FILE NAME:
16-967
REFERENCE DRAWING NUMBERS:

JOB NUMBER:
16-967
DRAWING NUMBER:
13247-D
PAGE# 01

Line Table		
Line #	Length	Direction
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L2	191.78	S73°13'01"W
L3	228.82	S72°07'49"W
L4	225.78	N10°41'30"W

Curve Table			
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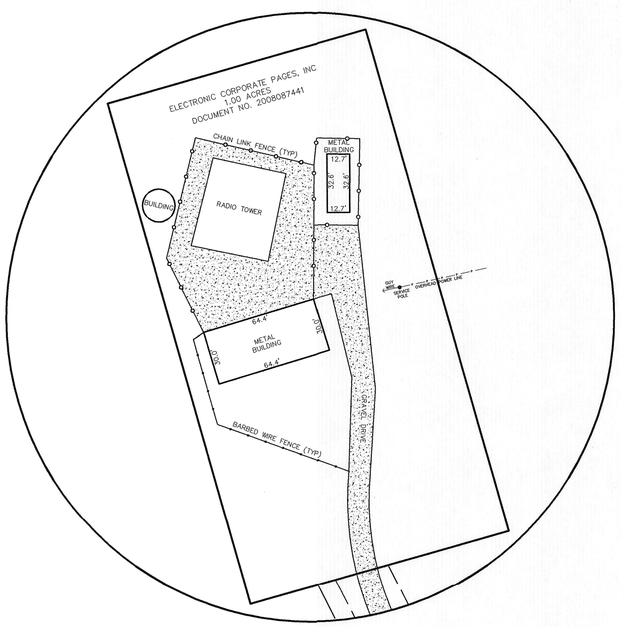
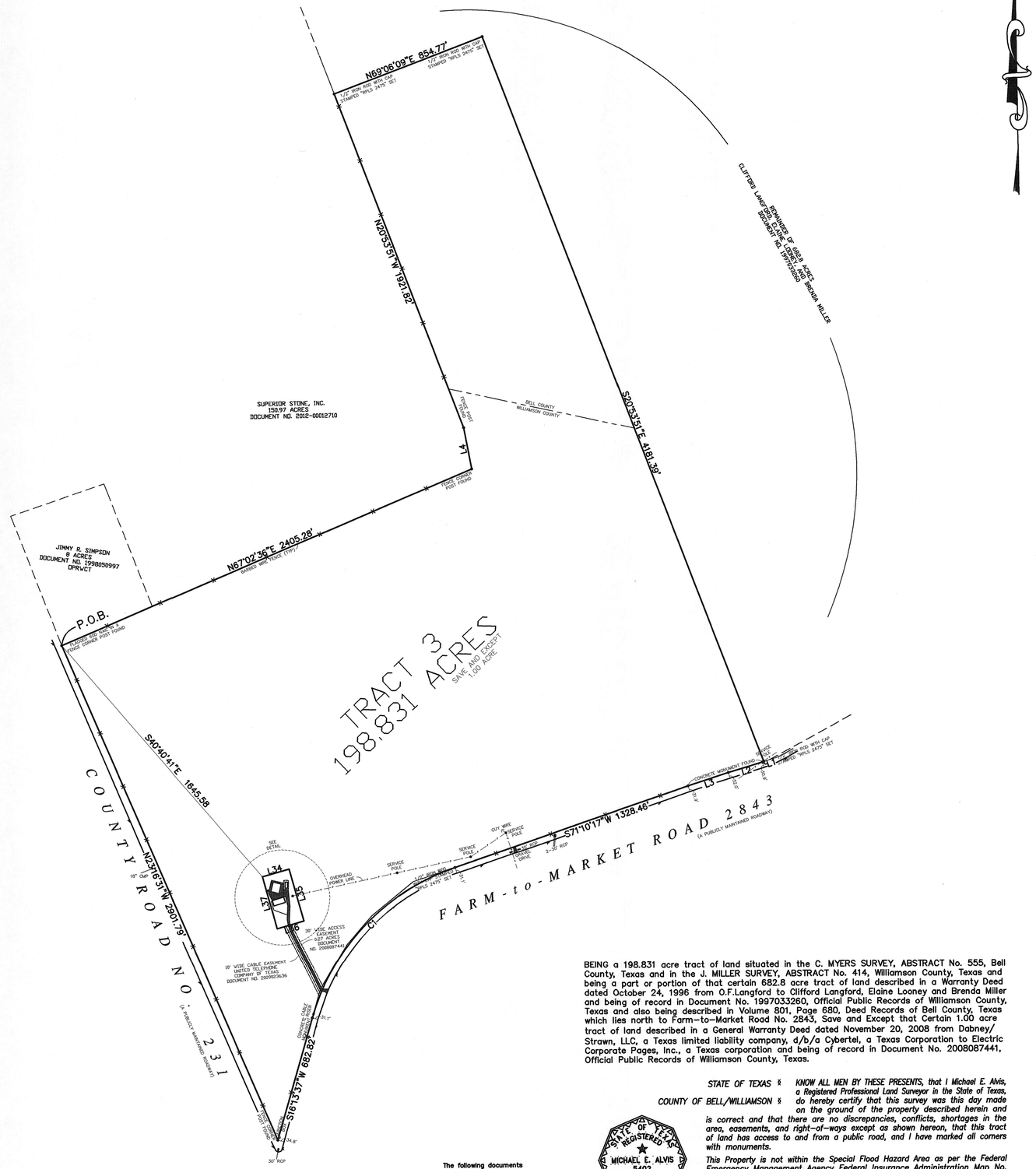
DETAIL NTS





BEING 198.831 ACRES MORE PARTICULARLY DESCRIBED IN SEPARATE FIELD NOTES.

The following documents affect this tract:
Doc.# 2008042742
Doc.# 2009023636

The following documents do not affect this tract:
Vol. 3799, Pg. 366
Vol. 2151, Pg. 111
Vol. 1315, Pg. 278

BEING a 198.831 acre tract of land situated in the C. MYERS SURVEY, ABSTRACT No. 555, Bell County, Texas and in the J. MILLER SURVEY, ABSTRACT No. 414, Williamson County, Texas and being a part or portion of that certain 682.8 acre tract of land described in a Warranty Deed dated October 24, 1996 from O.F.Langford to Clifford Langford, Elaine Looney and Brenda Miller and being of record in Document No. 1997033260, Official Public Records of Williamson County, Texas and also being described in Volume 801, Page 680, Deed Records of Bell County, Texas which lies north to Farm-to-Market Road No. 2843, Save and Except that Certain 1.00 acre tract of land described in a General Warranty Deed dated November 20, 2008 from Dabney/Strawn, LLC, a Texas limited liability company, d/b/a Cybertel, a Texas Corporation to Electric Corporate Pages, Inc., a Texas corporation and being of record in Document No. 2008087441, Official Public Records of Williamson County, Texas.

STATE OF TEXAS §
COUNTY OF BELL/WILLIAMSON §

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REGISTERED
MICHAEL E. ALVIS
5402
PROFESSIONAL
LAND SURVEYOR

Michael E. Alvis, R.P.L.S., No. 5402

600 300 0 150 300
SCALE 1:300

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www.turley-inc.com
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SURVEY OF:
198.831 ACRES
C. MYERS SURVEY, ABSTRACT No. 555
BELL COUNTY, TEXAS
J. MILLER SURVEY, ABSTRACT No. 414
WILLIAMSON COUNTY, TEXAS

PREPARED FOR:
PERGAMOS, LP
5416 BIRCHMAN AVENUE
FT WORTH, TEXAS 76107

REVISIONS

DATE	DESCRIPTION	DFTR

DRAFTSMAN:
MATT KELLY
DATE:
AUGUST 15, 2016
COMPUTER FILE NAME:
16-967
REFERENCE DRAWING NUMBERS:

JOB NUMBER:
16-967
DRAWING NUMBER:
13247-D
PAGE #
01

General Information Form

Texas Commission on Environmental Quality

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

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

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

Section 1.01 Signature

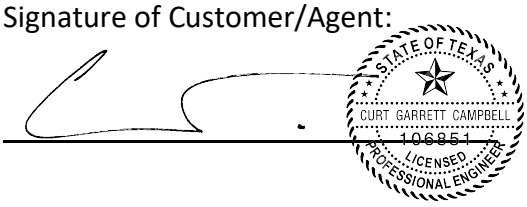
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **General Information Form** is hereby submitted for TCEQ review. The application was prepared by:

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

TX License No. 106851 | TX Firm No. 4525

Date: 4/26/2024

Signature of Customer/Agent:



Section 1.02 Project Information

1. Regulated Entity Name: Pelopi Quarry
2. County: Williamson
3. Stream Basin: Brazos River Basin
4. Groundwater Conservation District (If applicable): N/A
5. Edwards Aquifer Zone:

   ☒ Recharge Zone
   ☐ Transition Zone

6. Plan Type:

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

7. Customer (Applicant):

   Contact Person: Mark Kalpakis
   Entity: Pelopi, LP
   Mailing Address: 5416 Birchman Ave.
   City, State: Fort Worth, TX Zip: 76107-5111
   Telephone: (512) 428-5778 FAX:
   Email Address: mark@jointresources.com

8. Agent/Representative (If any):

   Contact Person: Nicolas E. Mercado
   Entity: Westward Environmental, Inc.
   Mailing Address: 4 Shooting Club Rd.
   City, State: Boerne, TX Zip: 78006
   Telephone: 830-249-8284 FAX: _____
   Email Address: nmercado@westwardenv.com

9. Project Location:

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

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

    Located at the intersection of CR231 and FM2843 5 miles east of Florence in Williamson County.

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: 4/15/2024

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

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

15. Existing project site conditions are noted below:

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

Section 1.03 Prohibited Activities

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

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

(2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;

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

(4) The use of sewage holding tanks as parts of organized collection systems; and

(5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).

(6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.

17. ☒ I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:

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

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

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

Section 1.04 Administrative Information

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

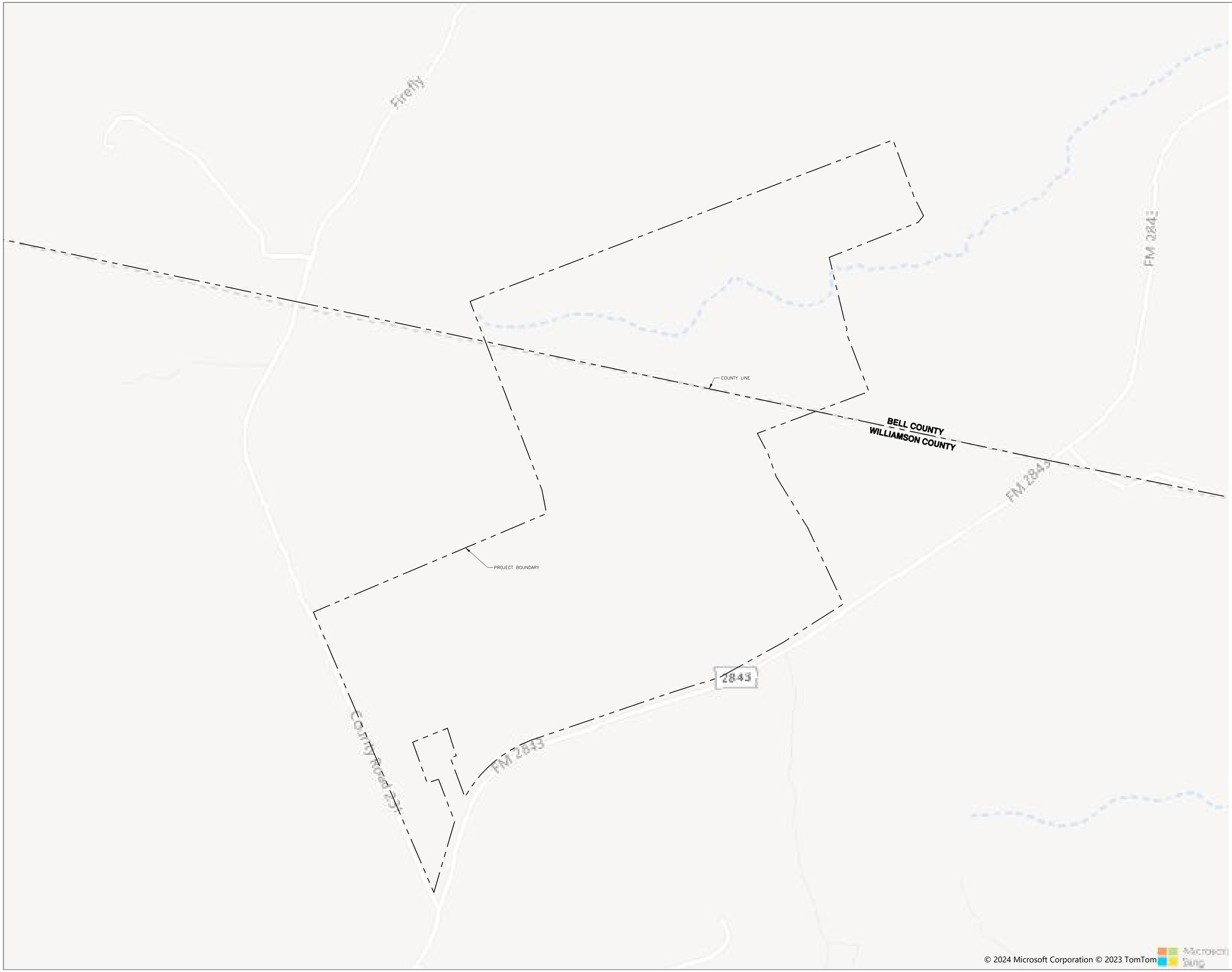
☒ For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
☐ For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
☐ For a UST Facility Plan or Modification or an AST Facility Plan or Modification, the total number of tanks or piping systems.
☐ A request for an exception to any substantive portion of the regulations related to the protection of water quality.
☐ A request for an extension to a previously approved plan.

19. ☒ Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

☒ TCEQ cashier - ePay
☐ Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
☐ San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

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

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



N

0 200 400 800

SCALE: 1" = 400'

LEGEND

PROJECT BOUNDARY LINE

COUNTY LINE

SHEET INDEX:

C1 - ROAD MAP
C2 - USGS MAP
C3 - INTERIM CONDITIONS MAP
C4 - FINAL CONDITIONS MAP

IMAGE:	MICROSOFT CORP. 2023
ISSUE DATE:	04/25/2024
DRAWN BY:	WBE
CHECKED BY:	CGC
SCALE: 1" =	400'
JOB NO.:	11508-002

SHEET NO.:

C1

OF C4

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

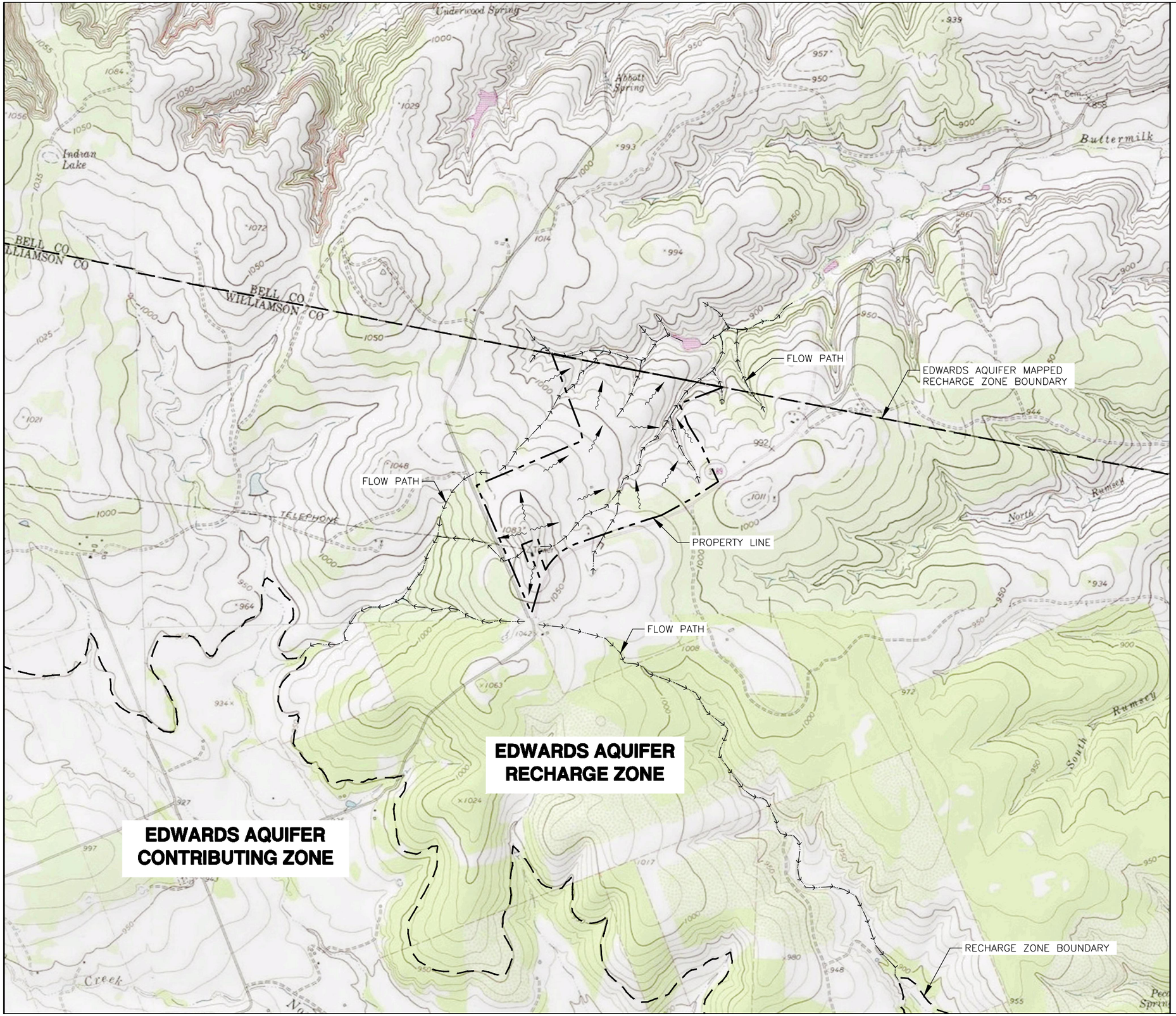
STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED
PROFESSIONAL ENGINEER

4/26/2024

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

ROAD MAP

WPAP – PELOPI QUARRY
PELOPI, L.P.
CR231 & FM2843, FLORENCE, TX 76527



N

0 1000 2000 4000

SCALE: 1" = 2000'

LEGEND

- PROPERTY LINE
- EDWARDS AQUIFER RECHARGE ZONE BOUNDARY
- FLOW PATH
- FLOW ARROW

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TBPE REG. NO.: F-4524

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
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PROFESSIONAL ENGINEER

Curt G. Campbell, P.E.
License No. 106851
4/26/2024

USGS / EDWARDS RECHARGE ZONE MAP
WPAP – PELOPI QUARRY
PELOPI, L.P.
CR231 & FM2843, FLORENCE, TX 76527

REV.	DESCRIPTION	BY	DATE

IMAGE: YOUNGSPORT, TX & COBBS CAVERN, TX QUADRANGLES

ISSUE DATE:	04/26/2024
DRAWN BY:	WBE
CHECKED BY:	CGC
SCALE: 1" =	2000'
JOB NO.:	11508-002

SHEET NO.:
C2
OF C4

Pelopi LP
Pelopi Quarry

General Information Form Attachment A

Road Map

Please see attached the Road Map

General Information Form Attachment B

USGS / Edwards Recharge Zone Map

Please see attached USGS / Edwards Recharge Zone Map.

General Information Form Attachment C

Project Description

Pelopi LP proposes to develop a limestone quarry on their approximately 393-acre property located on the corner of CR231 and FM2843 near Florence, Williamson County, Texas. Of this 393 acres, only approximately 266 acres are in the mapped Recharge Zone. The subject site is largely undeveloped and has previously been used for agricultural purposes. During its agricultural use, some clearing was conducted and unpaved ranch roads were established; these ranch roads may continue to be used by Pelopi, LP for general property access. Agricultural activities will continue on-site and may include selective land clearing.

Quarry activities will begin in Pit 1 in the western portion of the site and Pit 2 in the eastern portion of the site. Initial clearing and overburden renewal will be performed in an area less than 10 acres and once an initial pit is established, expansion will also be performed in less than 10 acres increments. The overburden will be used to establish temporary earthen berms around the initial pit area (see Interim Conditions plan sheet).

The site will be accessible from the south via FM 2843. This access will be established with a rumble grate 100' minimum from FM 2843. A truck scale, modular scale house, and/or modular office may be placed adjacent to the entrance drive (as shown on the Interim Conditions Map. The limited impervious cover from these relatively small structures will be treated by downgradient natural vegetative filter strips until such time as these structures can be moved into the quarry pit. The temporary earthen berms, filter strips, and silt fencing will be inspected and maintained in accordance with the Temporary Stormwater Section of this plan. As quarry operations expand, areas of more than 10-acres of common drainage may be disturbed at a time, however these areas will be contained within temporary earthen berms, which will expand with the operation up to the Final Earthen Berm (as shown on the Final Conditions Map).

When the pit is of sufficient size, stockpiles may be stored in the pit. Additional structures such as a vehicle maintenance shop, fueling areas, office or other buildings may be constructed and/or relocated within the pit in the future to meet operational needs. All runoff from these structures will be fully contained within the pit and therefore they are not calculated as regulated impervious cover requiring stormwater treatment.

The USGS blue line, Buttermilk Creek, is mapped at the northern end of the site. There is a proposed 25' vegetated buffer from Buttermilk Creek. There is no FEMA-mapped 100-year floodplain on the subject site.

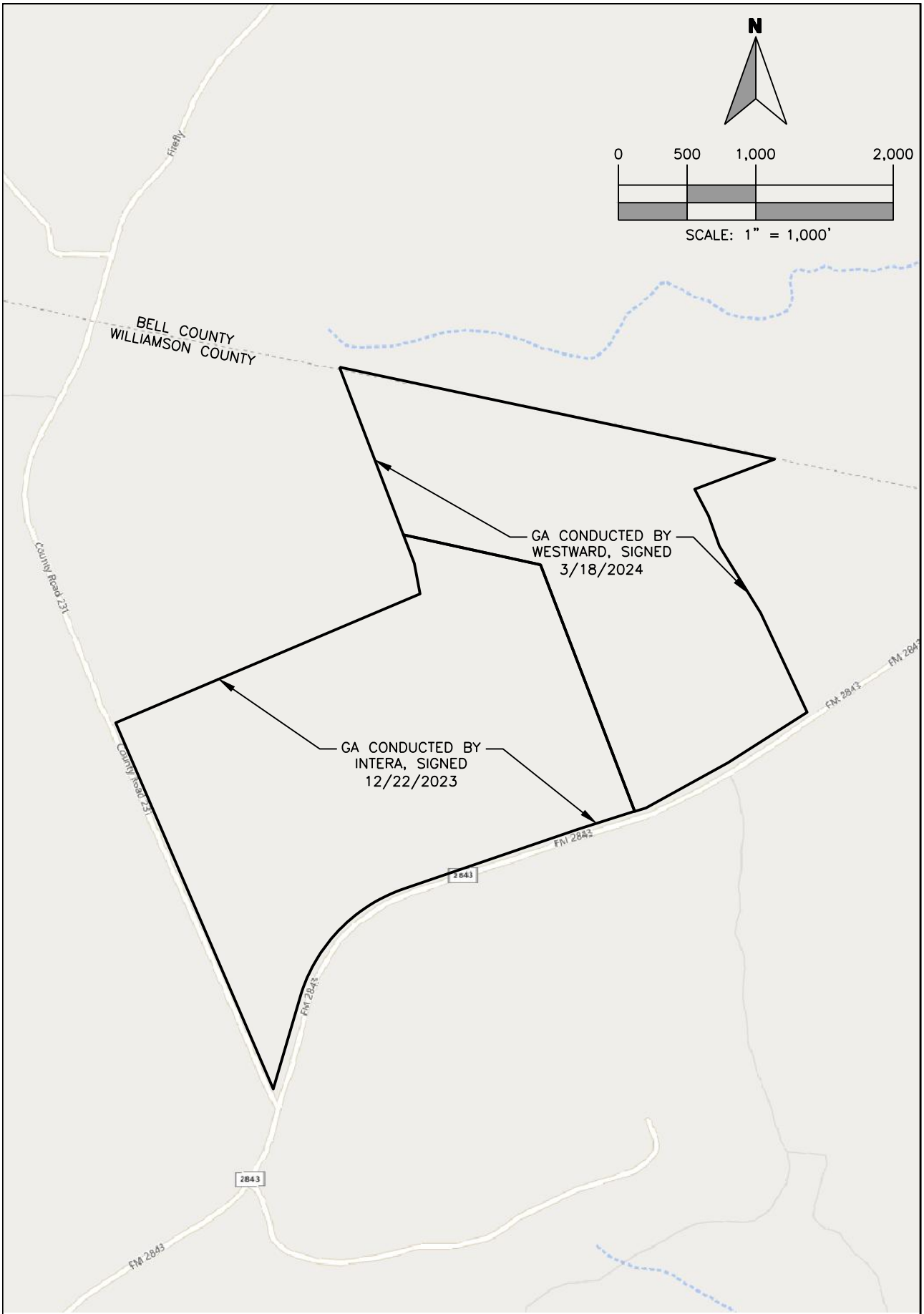
The quarry pit may be backfilled with clean fill materials and non-sellable overburden. The Final Conditions Map depicts the area of the site that will be quarried; the final quarry area is expected to encompass approximately 205-acres within the mapped Recharge Zone. Permanent BMPs at the site will include the Final Earthen Berm and 50-foot vegetated buffers.

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.

Routine maintenance will take place at the shop building or at appropriate facilities on the adjacent site. Fueling of large slow-moving equipment will take place on compacted base pads outside of the Recharge Zone on this property. Permanent fuel storage tanks are not proposed to be located in the Recharge Zone at this time, however, an AST plan will be submitted for approval prior to the establishment of any fuel storage within the mapped Recharge Zone.

It is not expected that any significant amount of groundwater will be encountered in the quarry excavation. The water elevation for the Williamson County reference well on 2/5/2016 (the high water level on a date common to both wells) was 697.26 amsl. The water elevation for Well #5803702 (a nearby well) was 926.83 amsl. The difference between the two wells is 229.57 amsl. Adding the difference 229.57 amsl. to the Wet-Weather High-Water Elevation for the reference well of 690 amsl is 919.57. The quarry floor should be located a minimum of 25 feet above that or 944.57 amsl therefore, in order to maintain appropriate separation from the groundwater, the quarry floor will not be lower than 945 ft. amsl.

Two geologic assessments have been completed for the proposed 271.02-acre site within the Recharge Zone and are included with this application. No karst features were identified as sensitive.



NOTE:
THE GEOLOGIC ASSESSMENTS (GA) FOR THIS SITE WERE CONDUCTED IN TWO PHASES. THE INITIAL GA WAS CONDUCTED BY INTERA ON THE WESTERN TRACT DEPICTED ABOVE. IT WAS SIGNED AND SEALED BY MR. KEVIN LONSETH ON DECEMBER 22, 2023. THE INITIAL PROJECT SCOPE LATER EXPANDED TO INCLUDE THE EASTERN TRACT DEPICTED ABOVE. WESTWARD WAS ENGAGED TO COMPLETE A GA ON THIS TRACT WHICH WAS SIGNED AND SEALED BY MR. JOHN J. SACKRIDER ON MARCH 18, 2024.

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

GEOLOGIC ASSESSMENT SUMMARY

WPAP – PELOPI QUARRY
PELOPI, L.P.
CR231 & FM2843, FLORENCE, TX 76527

REV.	DESCRIPTION	BY	DATE

IMAGE: MICROSOFT CORP 2024	
ISSUE DATE:	04/26/2024
DRAWN BY:	JJS
CHECKED BY:	CGC
SCALE: 1" =	1,000'
JOB NO.:	11508.002

SHEET NO.:
01
OF 01

GEOLOGIC ASSESSMENT

198.8-Acre Pelopi Quarry (Phase 1)

Intersection of CR 231 and FM 2843, Williamson County

Prepared for:

Pelopi LP

Prepared by:

9600 Great Hills Trail
Suite 300W
Austin, Texas 78759
512.425.2000

STATE OF TEXAS
KEVIN LONSETH
GEOLOGY
10330
LICENSED
PROFESSIONAL GEOSCIENTIST

12-22-2023

December 2023

Table of Contents

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List of Appendices

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1.0 INTRODUCTION

INTERA Incorporated (INTERA) performed a Geologic Assessment in support of an Edwards Aquifer Protection Plan Application for a 198.8-acre property located at the intersection of County Road 231 and FM 2843 on its northeast side in Williamson County. A portion of the site at its northern end extends into Bell County. The portion of the property located in Williamson County lies within the Edwards Aquifer Recharge Zone. The location of the site is illustrated on **Figure 1**.

An INTERA geologist, Kevin Lonseth, performed the geologic assessment in accordance with the requirements of the TCEQ Edwards Aquifer Protection Program's *Instructions for Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones* (TCEQ-0585, Rev. 10-01-04). Prior to conducting a field survey, INTERA researched documentation of karst features in the area, interviewed a landowner familiar with the property regarding former land usage, and reviewed historical aerial photographs of the site using Google Earth. Following the desktop survey, a field survey was conducted on 28 September 2023. In accordance with TCEQ-0585, the property was traversed in 50-foot transects and observations were documented. Due to the size of the property and transect survey distances, a UTV was utilized to observe the central and western portions of the site that contain open grassland with no exposed bedrock. A walking pedestrian survey was conducted on the eastern portion of the site located in Williamson County where exposed bedrock and drainage features are present. Close attention was paid to this section of the property as it was more likely to contain sensitive geologic features.

Results of the field survey, including a discussion regarding any sensitive features observed, are provided in Section 4.0. Geologic Assessment Form TCEQ-0585 is provided in Appendix A.

2.0 RESEARCH INFORMATION

INTERA reviewed published reports and geological maps of the area and interviewed a person knowledgeable about the historical activities at the property. Historical aerials of the property were also reviewed on Google Earth.

2.1 Research

INTERA reviewed the USDA Natural Resources Conservation Service Web Soil Survey which identified five near surface soil types present in the vicinity of the site. The primary site soils are classified as the Doss silty clay, the Denton silty clay, the Eckrant stony clay, the Georgetown clay loam, and the Eckrant cobbly clay. Each of the five soil types present at the site had a hydrologic soil group rating of "D". A "D" rating identifies soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. Each of the five soils identified at the site have a very slow rate of water transmission. A map depicting site soils and their descriptions is provided in Attachment A.

INTERA reviewed the USGS Geologic Atlas of Texas website to determine the geologic formation(s) that outcrop across the site. The site is located within the Georgetown Formation (Kgt) and the Edwards Limestone (Ked). The Georgetown Formation consists mostly of limestone with some marl. The limestone is fine grained, moderately indurated, and light gray. The Georgetown Formation is mapped at the surface over a majority of the site and has a thickness between 30 and 80 feet. Stratigraphically, the Edwards Limestone strata is below the Georgetown Formation and is composed of limestone, dolomite, and chert. The limestone is aphanitic to fine grained, and massive to thin bedded. The dolomite is fine to very fine grained, porous, and medium gray to grayish brown. The Edwards Limestone is mapped at surface in the northeastern areas of the site and ranges in thickness between 60 and 350 feet. The site geology is depicted on the Site Geologic Map provided in Attachment B. A stratigraphic column depicting the area geology is provided in Attachment C.

INTERA's review of published reports and aerial imagery of the area revealed no documented caves or karst features on the property or in proximity to the property. No faults were mapped in the reports reviewed or identified near the site. A topographic map containing 1-foot contours obtained from a 2017 Williamson County Lidar project was generated and reviewed. The topographic map provided evidence of a dry drainage present on the eastern side of the property. The site is not located in the 100-year floodplain.

2.2 Interview

The owner of the property was interviewed by INTERA. He indicated that the property was historically utilized as a ranch and was unaware of any caves or karst features on the property. The owner indicated that there was one on-site water well and that it was there when he purchased the property. INTERA

reviewed the Texas Water Development Board Water Data Interactive viewer to see if it contained any information on the site well. No documentation for the well was provided on the website.

3.0 FIELD SURVEY

A field survey was conducted on 28 September 2023 by Kevin Lonseth, P.G. 50-foot transects of the property were observed as required by TCEQ-0585. Site photographs are provided in Attachment F.

Observations documented during the field survey include the following:

- The on-site water well was observed during the field survey. It appeared that it may have been in use for livestock present on the property.
- The central and western portions of the property encompass open grassland with no exposed bedrock.
- The northeastern portion of the property located within Williamson County contained exposed bedrock in the area of the site where the Edwards Limestone is mapped at the surface.
- The southeastern portion of the property did not contain exposed bedrock.
- A soil filled depression (S-1) was identified during the field survey and its location is depicted on the Geologic Map provided as Attachment B.
- No sensitive geologic features or streambeds were observed on the subject property. A dry drainage was observed in the eastern portion of the subject property. The drainage starts on the subject property and extends beyond the property to the east.

4.0 DATA EVALUATION AND CONCLUSIONS

The following section documents the results of the field survey.

4.1 Geologic Assessment Table

A soil filled depression (S-1) was identified during the field survey and its location is depicted on the Geologic Map provided as Attachment B.

Identified feature S-1 is a 20-foot x 30-foot oval shaped depression that is approximately 1 foot deep. Very little vegetation was observed in the depression which is indicative of prolonged ponding. S-1 appears to be a drainage feature where stormwater runoff may temporarily pond. The estimated probability of S-1 to rapidly transmit fluids to the subsurface was judged to be low. The Geologic Assessment Table is provided in Attachment D.

4.2 Sensitive Features

No geologically sensitive features were identified during the field survey.

5.0 REFERENCES

Texas Water Development Board, *Water Data Interactive*, website, https://www3.twdb.texas.gov/apps/WaterDataInteractive/GroundwaterDataViewer/?map=sdr.

Todd B. Housh, PhD, PG, *Bedrock Geology of Round Rock and Surrounding Areas, Williamson and Travis Counties*, Texas, 2007.

USDA, Natural Resources Conservation Service Web Soil Survey, https://websoilsurvey.nrcs.usda.gov/app/.

USGS, Geologic Atlas of Texas, https://txpub.usgs.gov/txgeology/.

INTERA
GEOSCIENCE & ENGINEERING SOLUTIONS

FIGURE

SITE LOCATION

N

5 2.5 0 5

(SCALE IN MILES)

LEGEND

SITE BOUNDARY

BASE MAP SOURCE:
TEXAS DEPARTMENT OF TRANSPORTATION; 2022

REV.	DATE	DESCRIPTION	DR BY	APP BY

INTERA
9600 GREAT HILLS TRAIL, SUITE 300W
AUSTIN, TEXAS 78759 USA 512-425-2000
TEXAS REGISTERED ENGINEERING FIRM F-4722

PROJECT:
PELOPI QUARRY (PHASE 1)
GEOLOGIC ASSESSMENT
WILLIAMSON COUNTY, TEXAS

SHEET TITLE:
SITE LOCATION MAP

DES BY			SCALE: SEE BAR SCALE
DR BY	SDB		PROJ NO. PELOP.M003.EDWARDS-WRAP
CHK BY	KLL		DWG NO. PELOP.M003._001
APP BY	-		SHEET 1 OF 1 SHEETS
DATE ISSUED: 12-13-2023			FIGURE NO. 1
PURPOSE: GEO ASSESS			

S:\AUS\PELOP.M003.EDWARDS-WPAP\CAD\PELOP.M003.EDWARDS-WPAP_001 Site Location Map Fig 1.dwg

APPENDICES

APPENDIX A
Geologic Assessment Form TCEQ-0585

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.

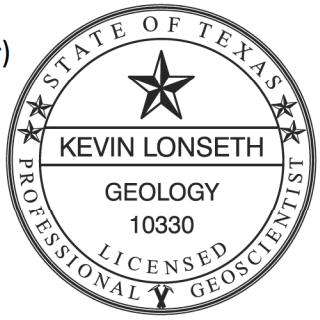
Print Name of Geologist: Kevin Lonseth, P.G. Telephone: 512-425-2000

Date: 12-22-2023 Fax: None

Representing: INTERA Incorporated, TBPG # 50189

(Name of company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: PELOPI (QUARRY - 1ST PHASE)

Project Information

1. Date(s) Geologic Assessment was performed: September 28, 2023
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)
Denton silty clay	D	3
Doss silty clay	D	1.4
Eckrant cobbly clay	D	0.9
Eckrant stony clay	D	0.9
Georgetown clay loam	D	2.9
Georgetown stony clay loam	D	2.9

** 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" = ____'
   Site Geologic Map Scale: 1" = 300 '
   Site Soils Map Scale (if more than 1 soil type): 1" = _____'

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 1 (#) 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.

ATTACHMENTS

ATTACHMENT A
Soils Description

Map Scale: 1:8,860 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 100 200 400 600

Feet
0 400 800 1600 2400

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 14N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Williamson County, Texas
Survey Area Data: Version 23, Aug 24, 2022

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

Date(s) aerial images were photographed: Data not available.

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

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
DnB	Denton silty clay, 1 to 3 percent slopes	D	35.2	21.8%
DoC	Doss silty clay, moist, 1 to 5 percent slopes	D	77.4	48.0%
EaD	Eckrant cobbly clay, 1 to 8 percent slopes	D	2.4	1.5%
EeB	Eckrant stony clay, 0 to 3 percent slopes, stony	D	36.5	22.7%
GeB	Georgetown clay loam, 0 to 2 percent slopes	D	8.2	5.1%
GsB	Georgetown stony clay loam, 1 to 3 percent slopes	D	1.5	0.9%
Totals for Area of Interest			**161.2**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

ATTACHMENT B
Site Geologic Map

Bell County

Ked

Kgt

Stock Pond

S-1

Water Well

The Williamson County portion of the subject property is entirely located within the Edwards Aquifer Recharge Zone.

LEGEND

GEORGETOWN FORMATION (Kgt)

EDWARDS LIMESTONE (Ked)

BOUNDARY OF ASSESSED PROPERTY IN WILLIAMSON COUNTY

PROPERTY BOUNDARY

AERIAL SOURCE:
TEXAS NATURAL RESOURCE INFORMATION SYSTEM (TNRIS)
TNRIS DataHub
TEXAS NAIP IMAGERY 2022
WILLIAMSON COUNTY

STATE OF TEXAS
KEVIN LONSETH
GEOLOGY
10330
LICENSED
PROFESSIONAL GEOSCIENTIST
12-22-2023

N

300 150 0 300
(SCALE IN FEET)

REV.	DATE	DESCRIPTION	DR BY	APP BY

INTERA
9600 GREAT HILLS TRAIL, SUITE 300W
AUSTIN, TEXAS 78759 USA 512-425-2000
TEXAS REGISTERED ENGINEERING FIRM F-4722

PROJECT:
PELOPE QUARRY (PHASE 1)
GEOLOGIC ASSESSMENT
WILLIAMSON COUNTY, TEXAS

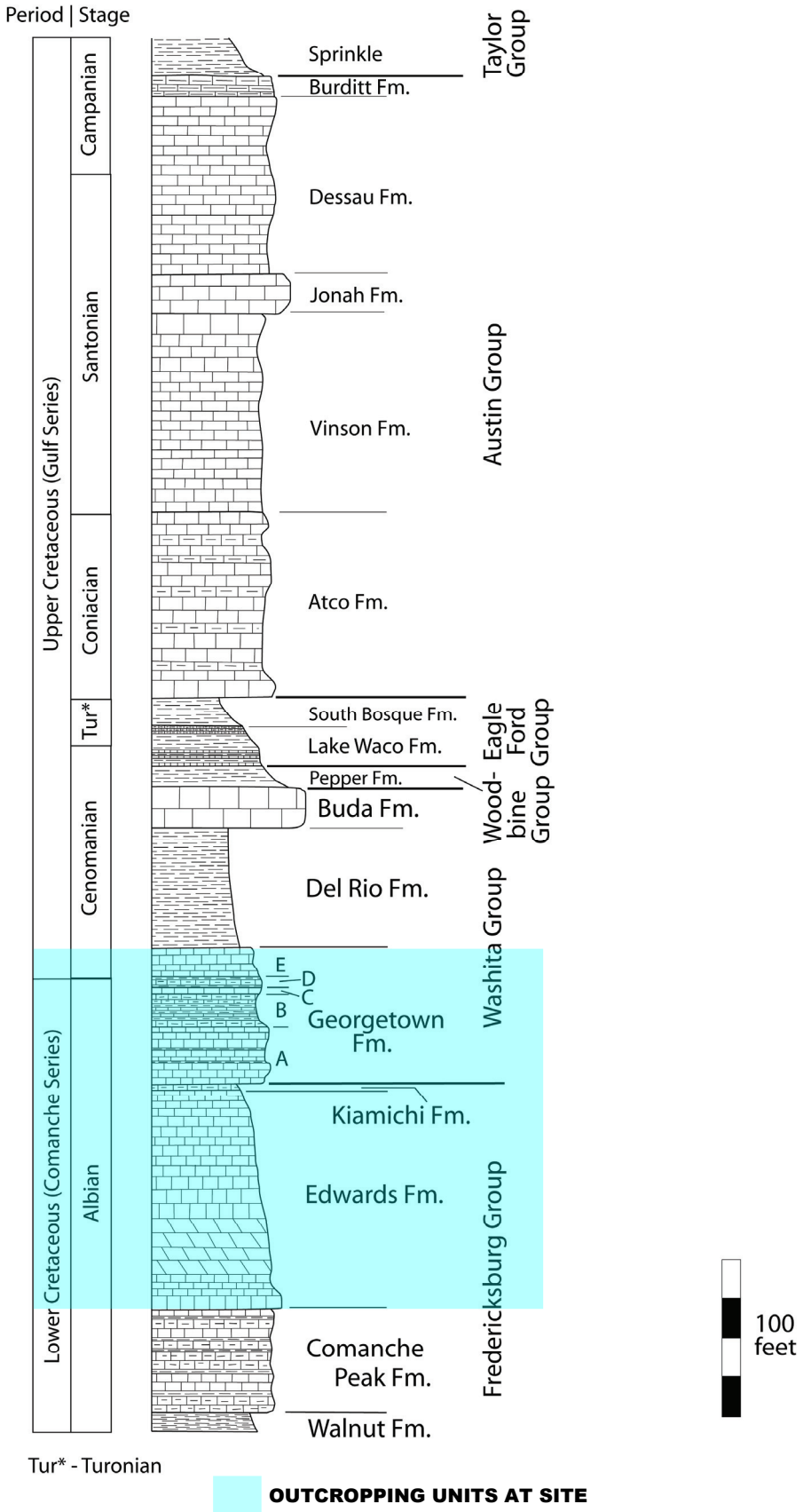
SHEET TITLE:
SITE GEOLOGIC MAP

DES BY			SCALE: SEE BAR SCALE
DR BY	SDB		PROJ NO. PELOP.M003.EDWARDS
CHK BY	KLL		DWG NO. PEOLOP.M003_003
APP BY	APP		SHEET 1 OF 1 SHEETS
DATE ISSUED: 12-13-2023			ATTACHMENT B
PURPOSE: GEO ASSESS			

S:\AUS\PELOP.M003.EDWARDS-WPAP\CAD\PELOP.M003.EDWARDS-WPAP_003 Geology Map Attachment B.dwg

ATTACHMENT C
Stratigraphic Column

Figure 1. Generalized Stratigraphic Column of the Round Rock Area



Source: Todd B. Housh, PhD, PG - Figure 1, Bedrock Geology of Round Rock and urrounding Areas, Williamson and Travis Counties, Texas (2007).

INTERA
GEOSCIENCE & ENGINEERING SOLUTIONS

ATTACHMENT D
Geologic Assessment Table

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: PELOPI QUARRY (PHASE 1)

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	
S-1	30.880275	-97.719086	CD	5	Kgt	20	30	1					O	5	10	X		X		HILLTOP

* DATUM: NAD 83

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 12-22-2023

Sheet 1 of 1

STATE OF TEXAS
KEVIN LONSETH
GEOLOGY
10330
LICENSED PROFESSIONAL GEOSCIENTIST

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

INTERA
GEOSCIENCE & ENGINEERING SOLUTIONS

ATTACHMENT E
Narrative Description of Site Geology

See Section 2.1 - Research

ATTACHMENT F
Field Survey Photographs

SITE PHOTOGRAPHS

Photo 1 – This photo shows the non-karst closed depression (S-1) located in near FM 2843 in the southeastern portion of the property.

Photo 2 –This photo shows the dry stock pond located in the south-central portion of the property.

SITE PHOTOGRAPHS

Photo 3 – This photo provides a view of the northwestern portion of the property.

Photo 4 – This photo provides a view of the western portion of the property.

PELOPI, LP

GEOLOGIC ASSESSMENT

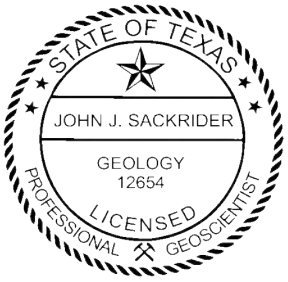
PELOPI QUARRY
CR 231 & FM 2843
FLORENCE, TEXAS 78633
WILLIAMSON COUNTY

Submitted to: TCEQ Region 11, Austin

Prepared By:

WESTWARD
Environmental. Engineering. Natural Resources.
Boerne, Texas
830-249-8284

Date: March 2024
Project No. 11508-002
-JG-



Signature: _____
John J. Sackrider, P.G. - License No. 12654
TX PG Firm No. 50112
Date: 3/18/2024

Article I. Geologic Assessment

Texas Commission on Environmental Quality

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

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

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

Section 1.01 Signature

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

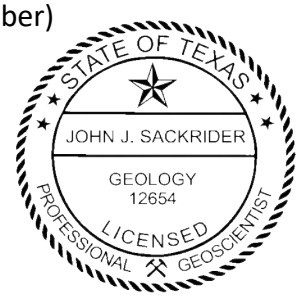
Print Name of Geologist: Telephone: 830-249-8284

John J. Sackrider, P.G. #12654 Fax: 830-249-0221

Date: 3/18/2024

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

Signature of Geologist:



Regulated Entity Name: Pelopi Quarry

Section 1.02 Project Information

1. Date(s) Geologic Assessment was performed: February 12 & 13, 2024
2. Type of Project:

   ☒ WPAP ☐ AST
   ☐ SCS ☐ UST

3. Location of Project:

   ☒ Recharge Zone
   ☐ Transition Zone
   ☐ Contributing Zone within the Transition Zone

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

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

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

Soil Name	Group*	Thickness(feet)
DoC	D	< 2
EaD	D	< 2
EeB	D	< 2
GsB	D	< 4

** 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" = 300'
   Site Geologic Map Scale: 1" = 300'
   Site Soils Map Scale (if more than 1 soil type): 1" = 300'

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 well is in use and comply with 16 TAC Chapter 76.

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

Section 2.01 Administrative Information

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

Attachment A

Geologic Assessment Table (Form TCEQ-0585)

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: PELOPI QUARRY

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					10	<40	>40	<1.6	>1.6	
S-100	30.885499	-97.717272	SC	20		1.42	0.75	1.42	90					5	25	X		X		Hillside
S-101	30.885762	-97.715647	O	5		24	6	1	25	10				5	20	X			X	Drainage
S-102	30.885522	-97.714598	SC	20		1.17	0.67	4	50	10				5	35	X		X		Drainage
S-103	30.887522	-97.713772	Z-SC	30		80	15	1.75	77					5	35	X		X		Hilltop
S-104	30.888094	-97.717961	SC	20		1	0.83	1.5	80					5	25	X		X		Hillside
S-105	30.888621	-97.719658	SC	20		0.83	1	2	170					5	25	X		X		Hillside

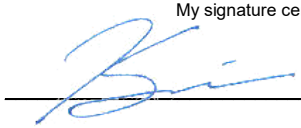
* DATUM: NAD 83

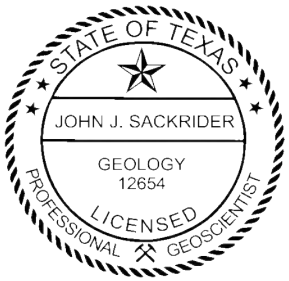
2A TYPE	TYPE	2B POINTS
C	Cave	30
SC	Solution cavity	20
SF	Solution-enlarged fracture(s)	20
F	Fault	20
O	Other natural bedrock features	5
MB	Manmade feature in bedrock	30
SW	Swallow hole	30
SH	Sinkhole	20
CD	Non-karst closed depression	5
Z	Zone, clustered or aligned features	30

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 3/18/2024

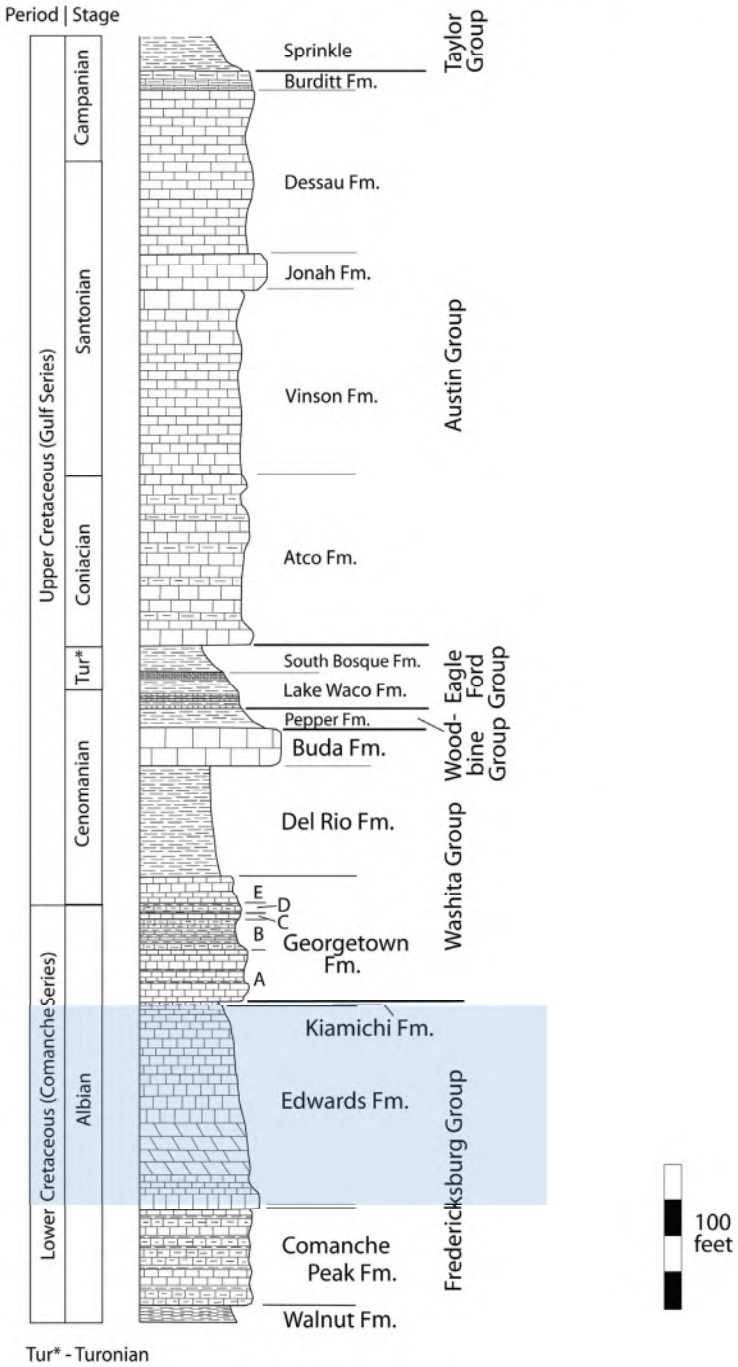
TCEQ-0585-Table (Rev. 10-01-04)

Attachment B

Stratigraphic Column

Generalized Stratigraphic Column – Williamson County

Figure 1. Generalized Stratigraphic Column of the Round Rock Area



Reference: Todd B Housh, PhD, PG; Bedrock Geology of Round Rock and Surrounding Areas, Williamson & Travis Counties, Texas

Indicates units observed at the surface of the Site.

Attachment C

Site Geology (Geologic Narrative)

Geologic Narrative

1.0 PURPOSE

Westward Environmental, Inc. (WESTWARD) was retained by Pelopi, LP (Client) to prepare a Geologic Assessment (GA) on a ~111.4-acre tract (Site). This GA was prepared as a required attachment to a Water Pollution Abatement Plan (WPAP) for the Site as required by the Texas Commission of Environmental Quality (TCEQ).

2.0 REGULATORY GUIDANCE

Title 30, Chapter 213 of the Texas Administrative Code

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

3.0 PROJECT LOCATION

The Site is located approximately 5 miles northeast of Florence, and approximately 0.4 miles northwest of the CR 231 and FM 2843 intersection in Williamson County, Texas. It is located over the Edwards Aquifer Recharge Zone (EARZ).

4.0 METHODOLOGY

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

4.1 Desktop Review

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

4.2 Field Investigation

A field investigation was performed at the Site by WESTWARD staff under the direction of John J. Sackrider, P.G. (TBPG Lic. No. 12654) on February 12 & 13, 2024. Field transects of the Site were walked in accordance with TCEQ-0585 (rev. 10-01-04).

5.0 DESKTOP REVIEW

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

5.1 Published Surface Geology

A review of published geologic maps revealed the early Cretaceous-aged Edwards Limestone (Ked) mapped at the surface of the Site. It is shown on the Site Geologic Map (Attachment D).

5.2 Published Structure

The Site is located within the Balcones Fault Zone (BFZ). The desktop review revealed that there are no mapped faults within the Site. The closest published fault is mapped approximately 3.9 miles to the southeast of the Site. This fault has an approximate trend of 42° and is referenced here to determine the dominant fault trend range of this Site. For the purposes of this GA, the dominant fault trend range is between 27° and 57°.

5.3 Karst Features

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

5.4 Non-karst & Manmade Features

The desktop review of aerial imagery did not reveal non-karst or manmade features within the Site boundaries. A review of the TWDB Viewer did not reveal any groundwater wells at the Site.

5.5 Soils

Four (4) soil units were identified on the Site through the NRCS Web Soil Survey. They are detailed below as well as included on the Geologic Assessment Form TCEQ-0585 (Rev. 02-11-15). A Site Soils Map is included in Attachment D.

Published Soil Unit Descriptions

Soil Name	*Group*	*Thickness (Feet)*	*Description*
Doss silty clay (DoC), moist, 1 to 5 percent slopes	D	< 2	11 to 20 inches to lithic bedrock, well drained, moderately low to moderately high (0.06 to 0.57 in/hr) Ksat capacity
Eckrant cobbly clay (EaD), 1 to 8 percent slopes	D	< 2	4 to 20 inches to lithic bedrock, well drained, moderately low to moderately high (0.06 to 0.57 in/hr) Ksat capacity
Eckrant stony clay (EeB), 0 to 3 percent slopes	D	< 2	4 to 20 inches to lithic bedrock, well drained, moderately low to moderately high (0.06 to 0.57 in/hr) Ksat capacity
Georgetown stony clay loam (GsB), 1 to 3 percent slopes	D	< 4	20 to 40 inches to lithic bedrock, well drained, very low to moderately low (0.00 to 0.06 in/hr) Ksat capacity

6.0 FIELD INVESTIGATION

The field investigation was performed on February 12 & 13, 2024 by WESTWARD staff under the direction of John J. Sackrider, P.G. to verify the presence or absence of recharge features identified in the desktop review and to identify recharge features not found during the desktop review. Field reconnaissance was performed in accordance with the *TCEQ-0585-Instructions (Rev. 10-1-04)*.

6.1 Surface Geology

The surface geology mapped within the extents of the Site is the Ked. Observations at the Site are consistent with published descriptions of the Ked.

6.2 Structure

There were no faults, nor evidence of faults, observed at the Site during the field investigation.

6.3 Karst Features

There were six (6) karst features, S-100 through S-105, identified and recorded during the field investigation. None of these features are rated sensitive.

6.4 Non-karst & Manmade Features

There were no non-karst closed depressions nor manmade features in bedrock identified during the field investigation.

6.5 Feature Descriptions

S-100 (SC) **Not Sensitive**

Feature S-100 is a solution cavity located on the western part of the Site. The feature measures approximately 1.42 ft. x 0.75 ft. x 1.42 ft. with an approximate trend of 90°. The opening consisted of topsoil and rock and appeared to be soil-plugged at the time of the field investigation. The catchment area of the feature is less than 1.6 acres, and the interpreted probability of rapid infiltration is low. This feature is rated not sensitive.

S-101 (O) **Not Sensitive**

Feature S-101 is an other feature in bedrock consisting of a depression in an intermittent drainage located on the center of the Site. It measures approximately 24 ft. x 6 ft. x 1 ft. and has an approximate trend of 25°. The feature is surrounded by vuggy rock and the floor of the feature consists of red soil and exposed bedrock. The catchment area of the feature is greater than 1.6 acres but due to the lack of infiltration evidence, the interpreted probability of rapid infiltration is low. This feature is rated not sensitive.

S-102 (SC) **Not Sensitive**

Feature S-102 is a solution cavity located in an intermittent drainage near the eastern Site boundary. The feature measures approximately 1.17 ft. x 0.67 ft. x 4 ft. It extends into the bank horizontally with a trend of 50°. The feature was surrounded by broken rock and soil and appeared to be plugged with soil at the time of the field investigation. The catchment area is less than 1.6 acres, and the interpreted probability of rapid infiltration is low. This feature is rated not sensitive.

S-103 (Z-SC) **Not Sensitive**

Feature S-103 is a zone of solution cavities located on a hilltop on the northeastern part of the Site. The feature measures approximately 80 ft. x 15 ft. x 1.75 ft. and has an approximate trend of 77°. The solution cavities within the zone were filled with loose cobbles and appeared to be plugged with soil at the time of the field investigation. The catchment area of the feature is less than 1.6 acres, and interpreted probability of rapid infiltration is low. This feature is rated not sensitive.

S-104 (SC) **Not Sensitive**

Feature S-104 is a solution cavity located near the northern Site boundary. The feature measures approximately 1 ft. x 0.83 ft. x 1.5 ft. and has an approximate trend of 80°. It is surrounded by vegetated soil and appeared to be plugged with soil at the time of the field investigation. The catchment area of the feature is less than 1.6 acres, and the interpreted probability of rapid infiltration is low. This feature is rated not sensitive.

S-105 (SC) **Not Sensitive**

Feature S-105 is a solution cavity located on the northwestern part of the Site. The feature measures approximately 0.83 ft. x 1 ft. x 2 ft. and has an approximate trend of 170°. It was surrounded by loose soil and was plugged with soil at the time of the field investigation. The catchment area of the feature is less than 1.6 acres, and the interpreted probability of rapid infiltration is low. This feature is rated not sensitive.

SELECT PHOTOGRAPHS

S-101: Other feature in bedrock within a streambed.

S-102: Solution cavity in an intermittent drainage.

S-103: Solution cavities within a zone.

S-103: Zoomed out view of the zone.

Attachment D

Site Geologic Map
Site Soils Map

IMAGE: ESRI WORLD IMAGERY	
ISSUE DATE:	03/18/2024
DRAWN BY:	JG
CHECKED BY:	JJS
SCALE: 1" =	300'
JOB NO.:	11508-002

SHEET NO.:

01

OF 02

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
JOHN J. SACKRIDER
GEOLOGY
12654
LICENSED
PROFESSIONAL GEOLOGIST

3/18/2024

SITE GEOLOGIC MAP

PELOPI QUARRY
PELOPI, LP
FLORENCE, WILLIAMSON COUNTY, TX

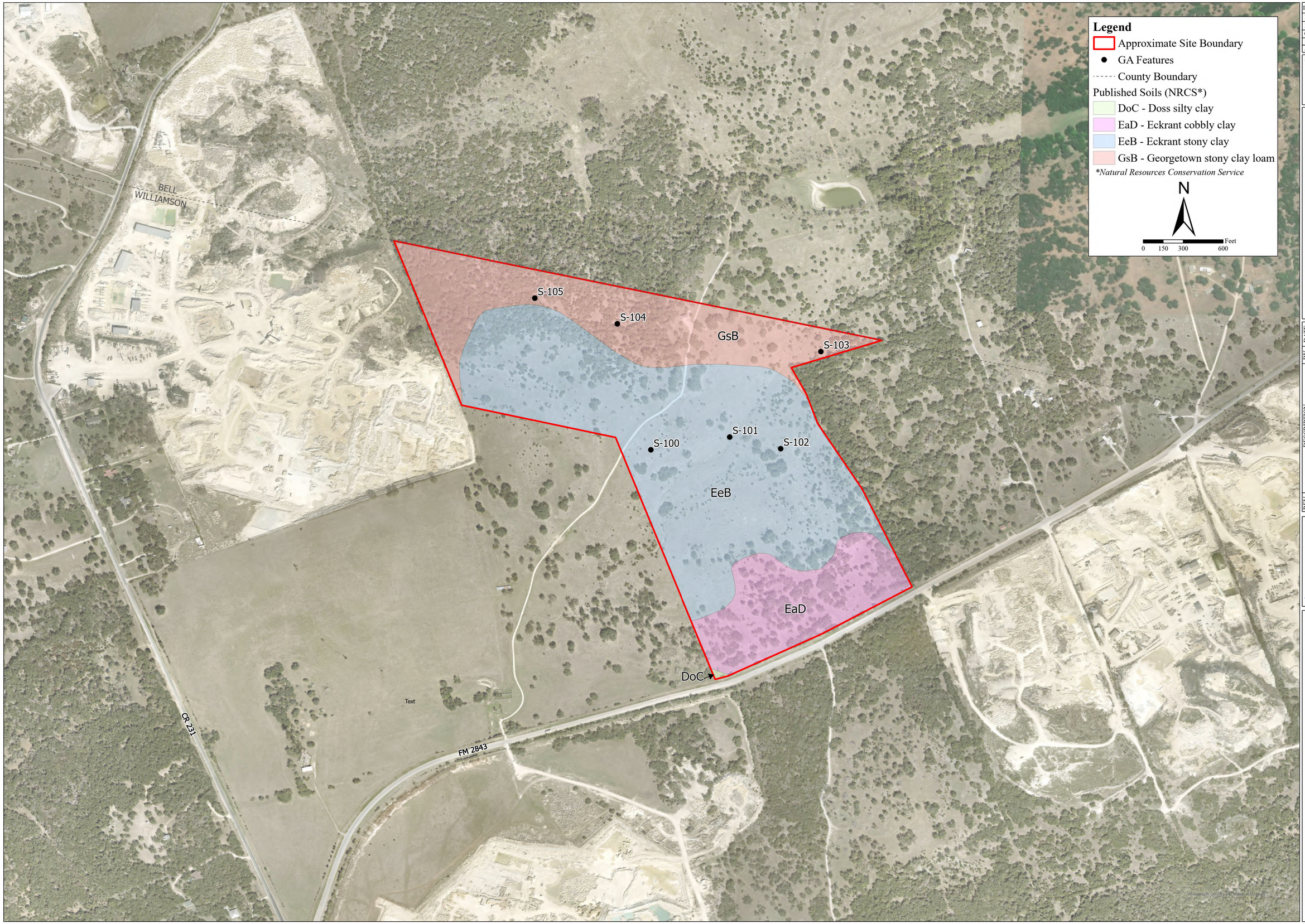


IMAGE: ESRI WORLD IMAGERY	
ISSUE DATE:	03/18/2024
DRAWN BY:	JG
CHECKED BY:	JJS
SCALE: 1" =	300'
JOB NO.:	11508-002

SHEET NO.:

02

OF 02

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
JOHN J. SACKRIDER
GEOLOGY
12654
LICENSED
PROFESSIONAL GEOLOGIST

3/18/2024

SITE SOILS MAP

PELOPI QUARRY
PELOPI, LP
FLORENCE, WILLIAMSON COUNTY, TX

Article I. Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

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

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

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

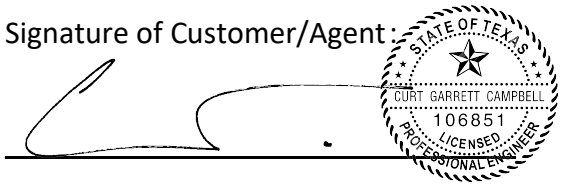
Section 1.01 Signature

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

Print Name of Customer/Agent: Curt G. Campbell, P.E.
TX License No. 106851 | TX Firm No. 4525

Date: 4/26/2024

Signature of Customer/Agent:



Regulated Entity Name: Pelopi

Section 1.02 Regulated Entity Information

1. The type of project is:

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

2. Total site acreage (size of property): 271.01

3. Estimated projected population: 5

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

Article II. Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops		÷ 43,560 =	
Parking		÷ 43,560 =	
Other paved surfaces	79,714.80	÷ 43,560 =	1.83
Total Impervious Cover	79,714.80	÷ 43,560 =	1.83

Total Impervious Cover 1.83 **÷ Total Acreage** 266.29 **X 100 =** 0.69**% Impervious Cover**

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

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

Section 2.01 For Road Projects Only

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

7. Type of project:

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

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

☐ Concrete
☐ Asphaltic concrete pavement
☐ Other: _____

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

Width of R.O.W.: _____ feet.
L x W = _____ 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.

Section 2.02 Stormwater to be generated by the Proposed Project

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

Section 2.03 Wastewater to be generated by the Proposed Project

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

100% Domestic	20 Gallons/day
_____% Industrial	_____Gallons/day
_____% Commingled	_____Gallons/day

TOTAL gallons/day 20

15. Wastewater will be disposed of by: **N/A – Portable Toilets**

☐ 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.

Section 2.04 Site Plan Requirements

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

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

Site Plan Scale: 1" = 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): 48491C0050E eff 9/26/2008 and 48027C0500E eff 9/26/2008
☒ 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.

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

☒ There are 1 (#) 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.

20. 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.

21. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.
22. ☒ Areas of soil disturbance and areas which will not be disturbed.
23. ☒ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
24. ☒ Locations where soil stabilization practices are expected to occur.
25. ☒ Surface waters (including wetlands).

    ☐ N/A
26. ☒ Locations where stormwater discharges to surface water or sensitive features are to occur.

    ☐ There will be no discharges to surface water or sensitive features.
27. ☒ Legal boundaries of the site are shown.

Section 2.05 Administrative Information

28. ☒ 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.
29. ☒ Any modification of this WPAP will require Executive Director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

AIRSTRIP INFRASTRUCTURE TO BE CONSTRUCTED OFF-SITE

BELL COUNTY
WILLIAMSON COUNTY

COUNTY LINE

EXISTING STRUCTURE

TEMPORARY SILT FENCE

PROJECT AREA

PROPOSED INITIAL PIT 2 <10 ACRES

PROPOSED INITIAL BERM 2

PIT RAMP @ 10% SLOPE

PROPOSED INITIAL OPERATION ROAD 2

PROPOSED RUMBLE GRATE

EXISTING STRUCTURE (TO BE REMOVED THROUGH MINING)

GRASSED AIR STRIP

PROPOSED INITIAL PIT 1 <10 ACRES

PROPOSED INITIAL BERM 1

EXISTING RANCH ROAD (TO BE REMOVED THROUGH MINING)

VEGETATIVE FILTER STRIP

PROPOSED INITIAL OPERATION ROAD 1

EXISTING STOCK POND

PROPOSED RUMBLE GRATE

PIT RAMP @ 10% SLOPE

EXISTING CONCRETE STRUCTURE

RADIO TOWER

DA 1
17.82
ac

DA 2
3.64
ac

FM 2843

CR 231

PROPOSED TRUCK SCALE

EXISTING ENTRY/EXIT DRIVEWAY

VEGETATIVE FILTER STRIP

DA	ACRES	IC	BMP	REQUIRED TSS REMOVAL (LBS.)	TSS REMOVED ANNUALLY
1	17.82	0.88	NVFS	762	1,073
2	3.64	0.95	NVFS	830	937

N

0 150 300 600

SCALE: 1" = 300'

LEGEND

- PROJECT AREA
- COUNTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- SILT FENCE
- DRAINAGE AREAS
- BERM (TOP & TOE OF SLOPE)
- FLOW ARROW
- ASPHALT AREA
- BASE AREA
- WATER BODY AREA
- VEGETATIVE FILTER STRIP AREA

IMAGE:	N/A
ISSUE DATE:	04/26/2024
DRAWN BY:	WBE
CHECKED BY:	CGC
SCALE: 1" =	300'
JOB NO.:	11508-002

SHEET NO.:

C3

OF C4

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
10685
LICENSED PROFESSIONAL ENGINEER

Curt G. Campbell, P.E.
License No. 106851
4/26/2024

INTERIM CONDITIONS MAP

WPAP – PELOPI QUARRY
PELOPI, L.P.
CR231 & FM2843, FLORENCE, TX 76527

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: 11508-002
Date Prepared: 4/25/2024

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.
Characters shown in red are data entry fields.
Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:

$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 85% of increased load
A_N = Net increase in impervious area for the project
P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Williamson	
Total project area included in plan * =	266.29	acres
Predevelopment impervious area within the limits of the plan * =	1.00	acres
Total post-development impervious area within the limits of the plan* =	2.83	acres
Total post-development impervious cover fraction * =	0.01	
P =	32	inches
$L_{M\ TOTAL\ PROJECT}$ =	1595	lbs.

* The values entered in these fields should be for the total project area.

Number of drainage basins / outfalls areas leaving the plan area = 1

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area =	17.82	acres
Predevelopment impervious area within drainage basin/outfall area =	0.00	acres
Post-development impervious area within drainage basin/outfall area =	0.88	acres
Post-development impervious fraction within drainage basin/outfall area =	0.05	
$L_{M\ THIS\ BASIN}$ =	762	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP =	Vegetated Filter Strips	
Removal efficiency =	85	percent
Proposed BMP =	None	
Removal efficiency =	0	percent
Proposed BMP =	None	
Removal efficiency =	0	percent
Etot =	85	

Aqualogic Cartridge Filter
Bioretention
Contech StormFilter
Constructed Wetland
Extended Detention
Grassy Swale
None
Retention / Irrigation
Sand Filter
Stormceptor
Vegetated Filter Strips
Vortechs
Wet Basin
Wet Vault

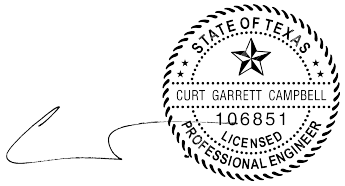
4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A_I \times 34.6 + A_P \times 0.54)$

where:

A_C = Total On-Site drainage area in the BMP catchment area
A_I = Impervious area proposed in the BMP catchment area
A_P = Pervious area remaining in the BMP catchment area
L_R = TSS Load removed from this catchment area by the proposed BMP

A_C =	17.82	acres
A_I =	0.88	acres
A_P =	16.94	acres
L_R =	1073	lbs



4/26/2024

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

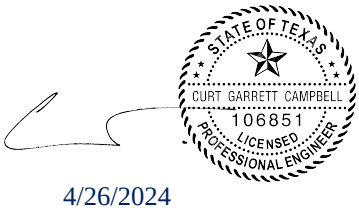
Desired $L_{M\ THIS\ BASIN}$ =	**762**	lbs.
F =	**0.71**	

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36

Rainfall Depth =	**0.80**	inches		
Post Development Runoff Coefficient =	**0.08**			
On-site Water Quality Volume =	**3946**	cubic feet	0.09	ac-ft

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP =	**0.00**	acres		
Off-site Impervious cover draining to BMP =	**0.00**	acres		
Impervious fraction of off-site area =	**0**			
Off-site Runoff Coefficient =	**0.00**			
Off-site Water Quality Volume =	**0**	cubic feet		
Storage for Sediment =	**789**			
Total Capture Volume (required water quality volume(s) x 1.20) =	**4735**	cubic feet	0.11	ac-ft



4/26/2024

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: 11508-002
Date Prepared: 4/25/2024

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1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:

$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 85% of increased load
A_N = Net increase in impervious area for the project
P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Williamson	
Total project area included in plan * =	266.29	acres
Predevelopment impervious area within the limits of the plan * =	1.00	acres
Total post-development impervious area within the limits of the plan* =	2.83	acres
Total post-development impervious cover fraction * =	0.01	
P =	32	inches

$L_{M\ TOTAL\ PROJECT}$ = **1595** lbs.

* The values entered in these fields should be for the total project area.

Number of drainage basins / outfalls areas leaving the plan area = 2

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. = 2

Total drainage basin/outfall area =	3.64	acres
Predevelopment impervious area within drainage basin/outfall area =	0.00	acres
Post-development impervious area within drainage basin/outfall area =	0.95	acres
Post-development impervious fraction within drainage basin/outfall area =	0.26	
$L_{M\ THIS\ BASIN}$ =	830	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP =	Vegetated Filter Strips	
Removal efficiency =	85	percent
Proposed BMP =	None	
Removal efficiency =	0	percent
Proposed BMP =	None	
Removal efficiency =	0	percent
Etot =	85	

Aqualogic Cartridge Filter
Bioretention
Contech StormFilter
Constructed Wetland
Extended Detention
Grassy Swale
None
Retention / Irrigation
Sand Filter
Stormceptor
Vegetated Filter Strips
Vortechs
Wet Basin
Wet Vault

4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A_I \times 34.6 + A_P \times 0.54)$

where:

A_C = Total On-Site drainage area in the BMP catchment area
A_I = Impervious area proposed in the BMP catchment area
A_P = Pervious area remaining in the BMP catchment area
L_R = TSS Load removed from this catchment area by the proposed BMP

A_C =	3.64	acres
A_I =	0.95	acres
A_P =	2.69	acres
L_R =	937	lbs

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED
PROFESSIONAL ENGINEER

4/26/2024

5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

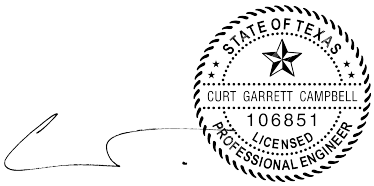
Desired $L_{M\ THIS\ BASIN}$ =	**830**	lbs.
F =	**0.89**	

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area. Calculations from RG-348 Pages 3-34 to 3-36

Rainfall Depth =	**1.60**	inches		
Post Development Runoff Coefficient =	**0.24**			
On-site Water Quality Volume =	**5032**	cubic feet	0.12	ac-ft

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP =	**0.00**	acres		
Off-site Impervious cover draining to BMP =	**0.00**	acres		
Impervious fraction of off-site area =	**0**			
Off-site Runoff Coefficient =	**0.00**			
Off-site Water Quality Volume =	**0**	cubic feet		
Storage for Sediment =	**1006**			
Total Capture Volume (required water quality volume(s) x 1.20) =	**6038**	cubic feet	0.14	ac-ft



4/26/2024

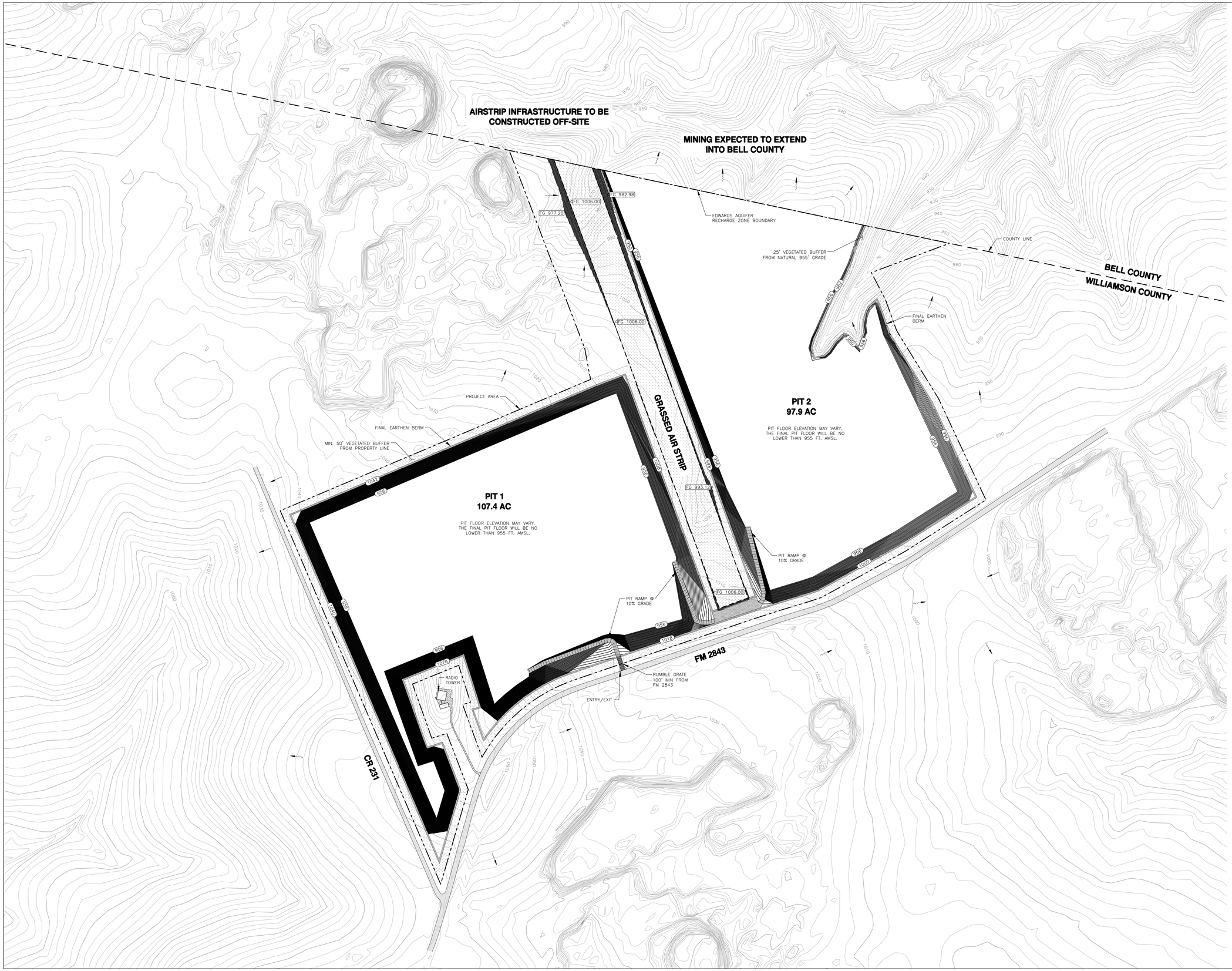


IMAGE:	N/A
ISSUE DATE:	04/26/2024
DRAWN BY:	WBE
CHECKED BY:	CGC
SCALE: 1" =	300'
JOB NO.:	11508-002

SHEET NO.:

C4

OF C4

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
4/26/2024

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

FINAL CONDITIONS MAP

WPAP – PELOPI QUARRY

PELOPI, L.P.

CR231 & FM2843, FLORENCE, TX 76527

Pelopi LP
Pelopi Quarry

Water Pollution Abatement Plan Attachment A

Factors Affecting Surface 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 over the Recharge Zone. Stormwater from disturbed areas will be retained in the mining pit. Upgradient berms prevent run-on to disturbed areas of the site. Any spills or leaks will be cleaned up immediately and will be disposed of properly. A trash receptacle will be placed on-site for use by employees and visitors.

Water Pollution Abatement Plan Attachment B

Volume and Character of Stormwater

The area of the proposed final quarry pit, as shown on the Final Conditions Map, is an approximately 205-acre portion of the overall 266-acre property located in the Recharge Zone. 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.

Temporary BMPs (earthen berms, vegetative filter strips, silt fence, etc.) will be used to control stormwater until the Final Earthen Berm is stabilized.

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.

Water Pollution Abatement Plan Attachment C

Suitability Letter from Authorized Agent

N/A – an OSSF is not proposed at this time.

Water Pollution Abatement Plan Site Plan

Site Plan

Please see attached Interim Conditions & Final Conditions plan sheets.

Temporary Stormwater Section

Texas Commission on Environmental Quality

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

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

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

Section 1.01 Signature

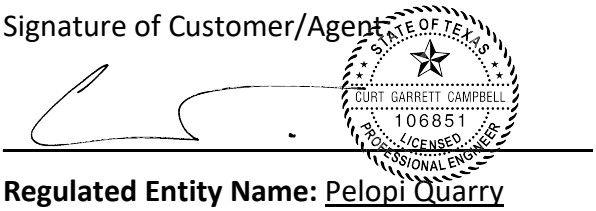
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Temporary Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The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

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

TX License No. 106851 | TX Firm No. 4525

Date: 4/26/2024

Signature of Customer/Agent:



Regulated Entity Name: Pelopi Quarry

Section 1.02 Project Information

Section 1.03 Potential Sources of Contamination

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

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

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

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

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

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

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

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

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

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

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

Section 1.04 Sequence of Construction

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

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

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

6. ☒ Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: Brazos River Basin

Section 1.05 Temporary Best Management Practices (TBMPs)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☒ N/A

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

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

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

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

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

Section 1.06 Soil Stabilization Practices

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

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

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

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

Section 1.07 Administrative Information

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

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

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

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Temporary Stormwater Section Attachment A

Spill Response Actions

Education

(1) Be aware that different materials pollute in different amounts. Make sure that each employee knows what a "significant spill" is for each material they use, and what is the appropriate response for "significant" and "insignificant" spills. Employees should also be aware of when spill must be reported to the TCEQ.

(2) Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.

(3) Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).

(4) Establish a continuing education program to indoctrinate new employees.

(5) Have contractor's superintendent or representative oversee and enforce proper spill prevention and control measures.

General Measures

(1) To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned up in a timely manner.

(2) Store hazardous materials and wastes in covered containers and protect from vandalism.

(3) Place a stockpile of spill clean-up materials where it will be readily accessible.

(4) Train employees in spill prevention and cleanup.

(5) Designate responsible individuals to oversee and enforce control measures.

(6) Spills should be covered and protected from stormwater run-on during rainfall to the extent that it doesn't compromise cleanup activities.

(7) Do not bury or wash spills with water.

(8) Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.

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

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

Cleanup

(1) Clean up leaks and spills in a timely manner.

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

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

Minor Spills

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

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

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

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

(5) Contain the spread of the spill.

(6) Recover spilled materials.

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

Semi-Significant Spills

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

Spills should be cleaned up in a timely manner:

(1) Contain spread of the spill.
(2) Notify the project foreman in a timely manner.

(3) If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.

(4) If the spill occurs in dirt areas, contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.

(5) If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

For significant or hazardous spills that are in reportable quantities:

(1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.

(2) For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.

(3) Notification should first be made by telephone and followed up with a written report.

(4) The services of a spills contractor or a Haz-Mat team should be obtained in a timely manner. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.

(5) Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

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

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 13	(210) 490-3096

Vehicle and Equipment Maintenance

(1) If maintenance must occur on-site, use a designated area and a secondary containment, located away from drainage courses, to prevent the run-on of stormwater and the runoff of spills.

(2) Regularly inspect on-site vehicles and equipment for leaks and repair in a timely manner.

(3) Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment on-site.

(4) Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.

(5) Place drip pans or absorbent materials under paving equipment when not in use.

(6) Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.

(7) Promptly transfer used fluids to the proper waste or recycling drums. Don't leave full drip pans or other open containers lying around.

(8) Oil filters disposed of in trashcans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.

(9) Store cracked batteries in a non- leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

Vehicle and Equipment Fueling

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

(2) Discourage "topping off" of fuel tanks.

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

(4) Equipment fueling will take place on a flex base pad. Tanks are proposed to be located off the Recharge Zone, therefore no AST plan will be included in this plan.

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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: _____

_____

_____

_____

Portable Toilet BMPs:

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

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

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

Temporary Stormwater Section 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

The compacted base entrance drive will be constructed up to the initial pit area. Clearing will take place for the quarry progression. The cleared topsoil will be used to construct earthen berms surrounding the cleared area. Berms will be 2-4 feet high. The earthen berms surrounding the quarry will expand as the quarry expands to the Final Earthen Berm. The access road will use a rumble grate. Pit 1 and Pit 2 will initially be cleared less than 10 acres at a time. There is a future easement that will be used as a grass air strip and there will be preliminary grading and vegetation in that area (see Final Conditions Map).

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Temporary Stormwater Section Attachment D

Temporary Best Management Practices (TBMPs) and Measures

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

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

As the size of the quarry expands, the earthen berms will expand throughout the life of the project. These berms will divert upgradient stormwater around disturbed areas of the site. In addition, a natural vegetated buffer with a minimum width of 50 feet will be maintained between the Final Earthen Berm and the property line. This natural vegetated buffer will serve as a final buffer for stormwater runoff leaving the active portion of the site.

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

As the size of the quarry expands, the earthen berms will expand throughout the life of the project.

Natural existing vegetation will be maintained in a 25-foot buffer along the Buttermilk. In addition, a natural vegetated buffer with a minimum width of 50 feet will be maintained between the Final Earthen Berm and the property line. This natural vegetated buffer will serve as a final buffer for stormwater runoff leaving the active portion of the site.

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

As the size of the quarry expands, the earthen berms will expand throughout the life of the project.

Earthen berms and vegetated areas will be constructed/maintained as shown on the attached Interim & Final Conditions Site Plans 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 Buttermilk Creek. This buffer will be maintained until appropriate permits can be obtained from USACE to allow mining in the area. In addition, a natural vegetated buffer with a minimum width of 50 feet will be maintained between the Final Earthen Berm and the property line. This natural vegetated buffer will serve as a final buffer for stormwater runoff leaving the active portion of the site.

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

Two geologic assessments have been completed for the proposed site and are included with this application. No karst features were identified as sensitive. The Intera GA covered 198.80 acres of the west side of the property and the Westward GA covered 111.40 acres of the east and north side of the property.

Pelopi, LP 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 designee using a training program prepared by a PG.

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

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

Temporary Stormwater Section Attachment E

Request to Temporarily Seal a Feature

N/A

Temporary Stormwater Section Attachment F

Structural Practices

Temporary best management practices proposed for the limestone quarry may include earthen berms, silt fencing, and natural vegetated buffers. The silt fencing, sediment basins, rock berms and vegetated 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 H

N/A

Temporary Stormwater Section Attachment I

Inspection and Maintenance for BMPs

The earthen berms and vegetated buffers should be inspected quarterly; silt fencing should be inspected weekly and after each rainfall. Written documentation of these inspections should be kept 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 no 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.

Pelopi LP will obtain authorization to discharge stormwater under the TPDES General Permit No. TXR050000 for industrial activities. Requirements of the general permit include maintaining a SWP3 which includes inspections of stormwater best management practices and sampling of stormwater that is discharged from the site.

It is not anticipated that dewatering of the pit will be required. However, if necessary, mine dewatering will be accomplished according to the TCEQ stormwater regulations noted in the TPDES General Permit No. TXR050000 under Sector J for Mineral Mining and Processing Facilities.

		Quarterly			Weekly and After Rainfall		
		Vegetated Buffers		Earthen Berms	Silt Fence		
Date	Inspector Signature	Trash	Vegetative Cover/Erosion	Erosion of Earthen Berm	Damage	Sediment Build-up	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

Silt Fence

* Repair any torn fabric, crushed/collapsed sections, etc.
* Remove sediment when buildup reaches 6 inches

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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 be continually stabilizing small areas prior to their excavation and stabilizing 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 often 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 in an earthen berm 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 and/or sediment basins downgradient of cleared areas will treat and/or 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 and earthen berms.

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 Final Conditions plan sheet 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 or upgradient of 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 25-foot separation from the groundwater as discussed in the Project Description 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

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

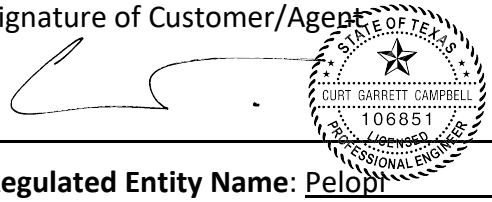
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Permanent Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The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

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

TX License No. 106851 | TX Firm No. 4525

Date: 4/26/2024

Signature of Customer/Agent



Regulated Entity Name: Pelopi

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 ensure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.

☒ The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

☐ A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is: _____

☐ N/A

3. ☒ Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.

   ☐ N/A

4. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

   ☐ The site will be used for low density single-family residential development and has 20% or less impervious cover.

   ☐ The site will be used for low density single-family residential development but has more than 20% impervious cover.

   ☒ The site will not be used for low density single-family residential development.

5. The executive director may waive the requirement for other permanent BMPs for multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

   ☐ **Attachment A - 20% or Less Impervious Cover Waiver**. The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.

   ☐ The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.

   ☒ The site will not be used for multi-family residential developments, schools, or small business sites.

6. ☒ **Attachment B - BMPs for Upgradient Stormwater**.

☒ A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached.

☐ No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.

☐ Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.

7. ☒ **Attachment C - BMPs for On-site Stormwater**.

☒ A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached.

☐ Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.

8. ☒ **Attachment D - BMPs for Surface Streams**. A description of the BMPs and measures that prevent pollutants from entering surface streams, sensitive features, or the aquifer is attached. Each feature identified in the Geologic Assessment as sensitive has been addressed.

☐ N/A

9. ☒ The applicant understands that to the extent practicable, BMPs and measures must maintain flow to naturally occurring sensitive features identified in either the geologic assessment, executive director review, or during excavation, blasting, or construction.

☒ The permanent sealing of or diversion of flow from a naturally-occurring sensitive feature that accepts recharge to the Edwards Aquifer as a permanent pollution abatement measure has not been proposed.

☐ **Attachment E - Request to Seal Features**. A request to seal a naturally-occurring sensitive feature, that includes, for each feature, a justification as to why no reasonable and practicable alternative exists, is attached.

10. ☒ **Attachment F - Construction Plans**. All construction plans and design calculations for the proposed permanent BMP(s) and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. The plans are attached and, if applicable include:

☒ Design calculations (TSS removal calculations)
☒ TCEQ construction notes
☒ All geologic features
☒ All proposed structural BMP(s) plans and specifications

☐ N/A

11. ☒ **Attachment G - Inspection, Maintenance, Repair and Retrofit Plan**. A plan for the inspection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan includes all of the following:

    ☒ Prepared and certified by the engineer designing the permanent BMPs and measures
    ☒ Signed by the owner or responsible party
    ☒ Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
    ☒ A discussion of record keeping procedures

    ☐ N/A

12. ☐ **Attachment H - Pilot-Scale Field Testing Plan**. Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.

    ☒ N/A

13. ☒ **Attachment I -Measures for Minimizing Surface Stream Contamination**. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that results in water quality degradation.

    ☐ N/A

Responsibility for Maintenance of Permanent BMP(s)

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

14. ☒ The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.

    ☐ N/A

15. ☒ A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

    ☐ N/A

Pelopi LP
Pelopi

Inspection, Maintenance, Repair and Retrofit Plan

I, Mark G. Kalpakis, have read and understand the Inspection, Maintenance, Repair and Retrofit (IMRR) Plan contained in this Water Pollution Abatement Plan Modification (WPAP Mod).

I understand the specific Permanent Best Management Practices (PBMPs) and associated inspection and maintenance schedule which are outlined in this IMRR Plan. Pelopi LP 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: Mark G. Kalpakis
Pelopi LP

Signature _____ Date: 1-12-2024

Name and signature of Engineer

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

Signature _____ Date: 4/26/2024

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED
PROFESSIONAL ENGINEER

Pelopi LP
Pelopi Quarry

Permanent Stormwater Section Attachment B

BMPs for Upgradient Stormwater

A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site:

The temporary earthen berms that are constructed as clearing occurs will expand as the size of the quarry expands. The earthen berms will expand throughout the life of the project to the Final Earthen Berm shown on the Final Conditions Map. 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. 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, along portions the property boundary adjacent to non-mining uses.

Permanent Stormwater Section Attachment C

BMPs for On-site Stormwater

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

Pollution of surface water, groundwater or stormwater that originates on-site or flows off-site during the life of the quarry will be mitigated by the use of earthen berms vegetated areas, and the pit which will be constructed as shown on the Final Conditions Map.

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, along portions the property boundary adjacent to non-mining uses.

Pelopi LP
Pelopi Quarry

Permanent Stormwater Section Attachment D

BMPs for Surface Streams

There are no surface streams on this site.

Permanent Stormwater Section Attachment E

Request to Seal Features

No features are proposed to be permanently sealed.

Permanent Stormwater Section Attachment F

Construction Plans

Please see attached Final Conditions plan sheet.

Permanent Stormwater Section Attachment G

Inspection, Maintenance, Repair and Retrofit Plan

Final earthen berms should be inspected quarterly until stabilized with vegetation. Written documentation of these inspections should be kept during the course of construction at the project site. 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 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.

Pelopi LP
Pelopi

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 Buttermilk Creek. 25-foot vegetated buffers will be left in place to filter sediment in stormwater runoff until quarrying of these areas begins. This natural vegetated buffer will serve as a final buffer for stormwater runoff leaving the active portion of the site. Any disturbance will be reestablished to its vegetated state within 14 days of completed construction.

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

I Mark G. Kalpakis,
Print Name

Partner,
Title - Owner/President/Other

of Pelopi, LP,
Corporation/Partnership/Entity Name

have authorized Curt G. Campbell, PE; Gary D. Nicholls, PE; Andrea Kidd, PE, Nicolas E. Mercado, PE; Vance Houy, PE, Chelsy Houy, PE
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:

Applicant's Signature

1-12-2024
Date

THE STATE OF Texas §

County of Tarrant §

BEFORE ME, the undersigned authority, on this day personally appeared Mark G. Kalpakis 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 12th day of January, 2024

NOTARY PUBLIC

Typed or Printed Name of Notary

RACHELLE L. WHITEMAN
My Notary ID # 5500601
Expires April 11, 2024

MY COMMISSION EXPIRES: _____

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

I Mark G. Kalpakis,
Print Name

Partner,
Title - Owner/President/Other

of Pelopi, LP,
Corporation/Partnership/Entity Name

have authorized Curt G. Campbell, PE; Gary D. Nicholls, PE; Andrea Kidd, PE, Nicolas E. Mercado, PE; Vance Houy, PE, Chelsy Houy, PE
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1-12-2024
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NOTARY PUBLIC

Typed or Printed Name of Notary

RACHELLE L. WHITEMAN
My Notary ID # 5500601
Expires April 11, 2024

MY COMMISSION EXPIRES: _____

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: Pelopi Quarry
Regulated Entity Location: Florence, Williamson County, Texas 76527
Name of Customer: Pelopi LP
Contact Person: Mark Kalpakis Phone: 817-546-6950
Customer Reference Number (if issued): CN606185189
Regulated Entity Reference Number (if issued): New

Austin Regional Office (3373)

☐ Hays ☐ Travis ☒ Williamson

San Antonio Regional Office (3362)

☐ Bexar ☐ Medina ☐ Uvalde
☐ Comal ☐ Kinney

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

☐ Austin Regional Office
☐ 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	194 Acres	$ 10,000
Sewage Collection System	L.F.	$
Lift Stations without sewer lines	Acres	$
Underground or Aboveground Storage Tank Facility	Tanks	$
Piping System(s)(only)	Each	$
Exception	Each	$
Extension of Time	Each	$

Signature: _____ MGK
Date: 1-12-2024

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 Core Data Form

TCEQ Use Only

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)***

CN 606185189

Follow this link to search for CN or RN numbers in Central Registry**

3. Regulated Entity Reference Number ***(if issued)***

RN New

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:*

Pelopi LP

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
0801983993	32053948124	N/A	N/A

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: 5416 Birchman Avenue

City	Fort Worth	State	TX	ZIP	76107	ZIP + 4	

16. Country Mailing Information *(if outside USA)*

17. E-Mail Address *(if applicable)*

mark@jointresources.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(817) 428-2608		( ) -

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.)*

Pelopi Quarry

23. Street Address of the Regulated Entity: *(No PO Boxes)*	CR 231 & FM 2843 Florence, Williamson County, TX						
	City	Florence	State	TX	ZIP	76527	ZIP + 4
24. County	Williamson						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	North side of FM2843, approx. 0.4 miles NW of the intersection with CR231. (Approx. 5 miles east of Florence in Williamson County)

26. Nearest City	State	Nearest ZIP Code
Florence	TX	76527

27. Latitude (N) In Decimal:	30.879807°	28. Longitude (W) In Decimal:	-97.720369°

Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	52	47.3052	97	43	13.3284

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		212312	

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

Construction Materials

34. Mailing Address:	5416 Birchman Avenue Ste 201						
	City	Fort Worth	State	TX	ZIP	76107	ZIP + 4
35. E-Mail Address:	mark@jointresources.com						

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(817) 428-2608		( ) -

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
		Registering		
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Natalie Sales	41. Title:	Staff Engineer

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(830) 249-8284		(830) 249-0221	nsales@westwardenv.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Pelopi LP	Job Title:	
Name *('n Print)*:	Mark Kalpakis	Phone:	(817) 428- 2608
Signature:		Date:	1-16-2024

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, Mark Kalpakis — Buttermilk Creek Ranch LLC

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

am the owner of the property located at

R353358 - AW0414 AW0414 – Miller, J.Sur., Acres 154.786, {REF/R491690}
R010239 - AW0431 AW0431 – Myers, C. Sur., Acres 2.01, {REF/R491690}
R564445 - AW0414 AW0414 – Miller, J. Sur., Acres 47.982, {REF/R564446, R564447}

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 Pelopi LP
Applicant Name (Legal Entity or Individual)

to conduct construction & operation of a quarry, runway, & aboveground storage tanks
Description of the proposed regulated activities

at North side of FM2843, approx. 0.4 miles NW of the intersection with CR231
Precise location of the authorized regulated activities

Land Owner Acknowledgement

I understand that Buttermilk Creek Ranch LLC
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

May 20, 2024
Date

THE STATE OF § Texas

County of § Tarrant

BEFORE ME, the undersigned authority, on this day personally appeared Mark G. Kalpakis 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 20th day of May, 2024.

RACHELLE L. WHITEMAN
My Notary ID # 5500601
Expires April 11, 2028

NOTARY PUBLIC

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 4.11.2028

Attached: (Mark all that apply)

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

Applicant Acknowledgement

I, Mark Kalpakis of Pelopi LP

Applicant Signatory Name Applicant Name (Legal Entity or Individual)

acknowledge that Buttermilk Creek Ranch, LLC

Land Owner Name (Legal Entity or Individual)

has provided Pelopi LP

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 Pelopi LP

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

Applicant Signature – Mark Kalpakis Date May 20, 2024

THE STATE OF § Texas

County of § Tarrant

BEFORE ME, the undersigned authority, on this day personally appeared Mark G. Kalpakis 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 20th day of May, 2024

RACHELLE L. WHITEMAN
My Notary ID # 5500601
Expires April 11, 2028

NOTARY PUBLIC

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 04.11.2028