

Dalrymple Gravel & Contracting Company, Inc.

Aboveground Storage Tank (AST) Plan

Hondo Quarry

Hwy 173N

Hondo, Texas 78861

Medina County

Submitted to: TCEQ Region 13, San Antonio

Prepared By:



Boerne, Texas

830-249-8284

Date: August 2020

Project No. 10953-008

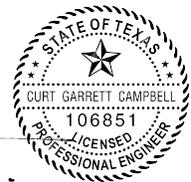
-AK-

Signature: _____

Curt G. Campbell, PE - License No. 106851

TX PE Firm No. 4524

Date: 9/17/2020



Aboveground Storage Tank Facility Plan Checklist

- **Edwards Aquifer Application Cover Page (TCEQ-20705)**
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- **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: Hondo Quarry				2. Regulated Entity No.: RN111070710			
3. Customer Name: Dalrymple Gravel & Contracting Company, Inc.				4. Customer No.: CN605380526			
5. Project Type: (Please circle/check one)	<input checked="" type="radio"/> New	Modification		Extension		Exception	
6. Plan Type: (Please circle/check one)	<input type="checkbox"/> WPAP	<input type="checkbox"/> CZP	<input type="checkbox"/> SCS	<input type="checkbox"/> UST	<input checked="" type="checkbox"/> AST	<input type="checkbox"/> EXP	<input type="checkbox"/> EXT
7. Land Use: (Please circle/check one)	<input type="checkbox"/> Residential		<input checked="" type="checkbox"/> Non-residential		8. Site (acres):		600
9. Application Fee:	\$ 4,550		10. Permanent BMP(s):				
11. SCS (Linear Ft.):	N/A		12. AST/UST (No. Tanks):		7		
13. County:	Medina		14. Watershed:		Upper Hondo Creek		

Application Distribution

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

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

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

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

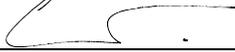
San Antonio Region					
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)	—	—	—	X	—
Region (1 req.)	—	—	—	X	—
County(ies)	—	—	—	X	—
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Trinity-Glen Rose	<input type="checkbox"/> Edwards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

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.

Curt G. Campbell, PE

TX License No. 106851 Tx Firm No. 4524

Print Name of Customer/Authorized Agent



9/17/2020

Signature of Customer/Authorized Agent

Date

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

General Information Form

Texas Commission on Environmental Quality

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

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

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

Signature

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

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

TX License No. 106851 | TX Firm No. 4524

Date: 9/17/2020

Signature of Customer/Agent:




Project Information

1. Regulated Entity Name: Hondo Quarry
2. County: Medina
3. Stream Basin: Verde Creek
4. Groundwater Conservation District (If applicable): EAA/Medina County GCD
5. Edwards Aquifer Zone:
 Recharge Zone
 Transition Zone
6. Plan Type:
 WPAP
 SCS
 Modification
 AST
 UST
 Exception Request

7. Customer (Applicant):

Contact Person: Henry Dalrymple

Entity: Dalrymple Gravel & Contracting Company, Inc.

Mailing Address: 3490 FM 78

City, State: McQueeney, TX

Zip: 78123

Telephone:

FAX:

Email Address: hmdalrymple@dalgravel.com

8. Agent/Representative (If any):

Contact Person: Curt Campbell, PE

Entity: Westward Environmental, Inc.

Mailing Address: P.O. Box 2205

City, State: Boerne, TX

Zip: 78006

Telephone: 830-249-8284

FAX: 830-249-0221

Email Address: ccampbell@westwardenv.com

9. Project Location:

The project site is located inside the city limits of _____.

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

The project site is not located within any city's limits or ETJ.

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

Approximately 1.71 miles northwest of FM 173 and CR 342 intersection

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

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

Project site boundaries.

USGS Quadrangle Name(s).

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

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

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

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

Survey staking will be completed by this date: Site is fenced and features are flagged

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

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

15. Existing project site conditions are noted below:

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

Prohibited Activities

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

- (1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);
- (2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;
- (3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;
- (4) The use of sewage holding tanks as parts of organized collection systems; and
- (5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).
- (6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.

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

- (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
- (2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and
- (3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

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

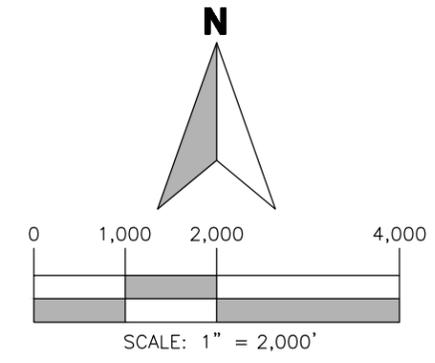
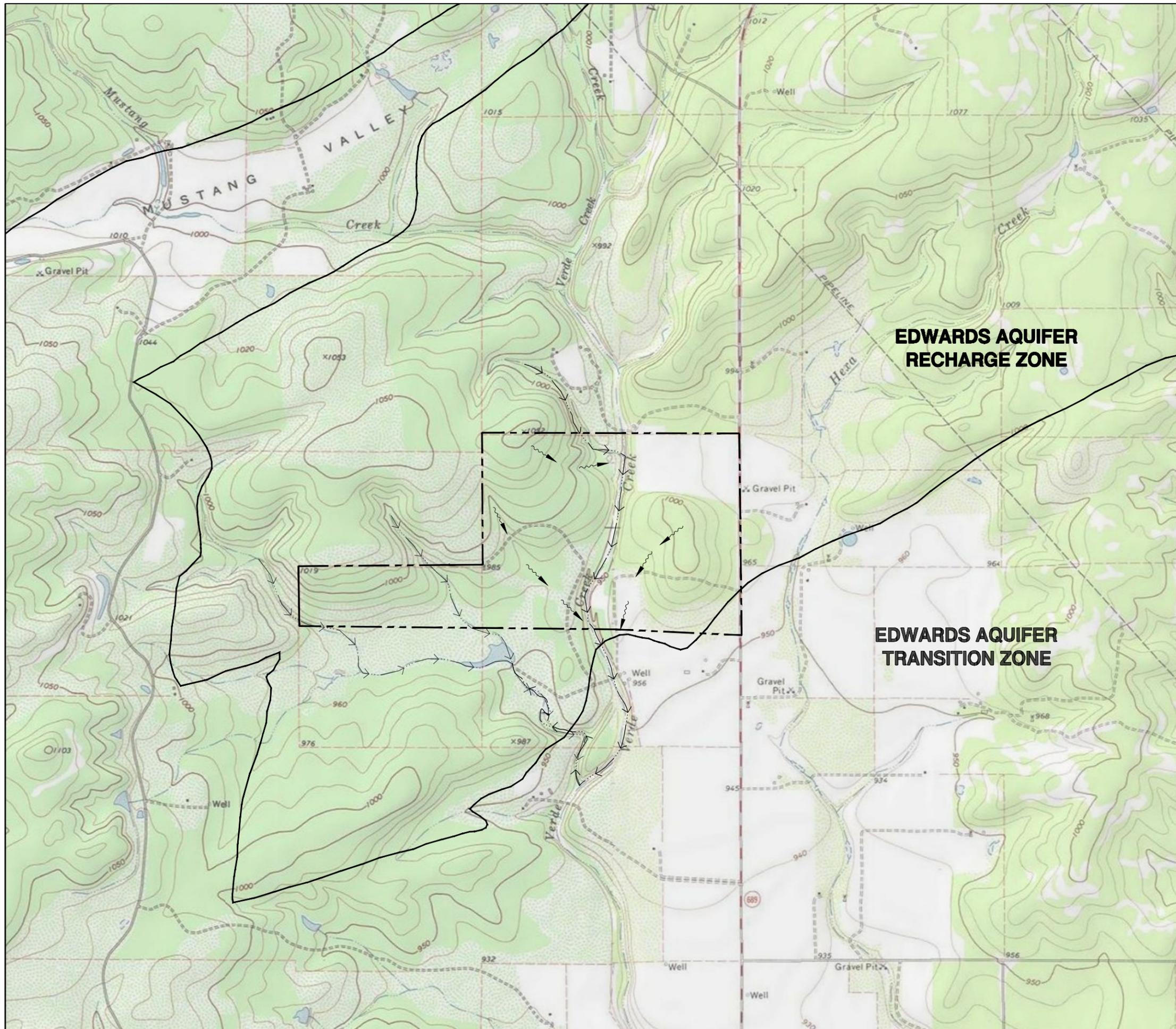
- For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
- For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
- For a UST Facility Plan or Modification or an AST Facility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

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

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

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

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



- FLOW ARROW
- FLOW PATH
- APPROXIMATE PROJECT BOUNDARY
- RECHARGE ZONE BOUNDARY

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

STATE OF TEXAS
 CURT GARRETT CAMPBELL
 106851
 LICENSED PROFESSIONAL ENGINEER

9/17/2020

USGS MAP
 AST PLAN - HONDO QUARRY
 DALRYMPLE GRAVEL & CONTRACTING COMPANY, INC.
 HONDO, MEDINA COUNTY, TX

REV.	DESCRIPTION	BY	DATE

IMAGE:	MUSTANG VALLEY/QUIHI
ISSUE DATE:	08/17/2020
DRAWN BY:	ak
CHECKED BY:	CGC
SCALE:	1" = 2,000'
JOB NO.:	10953-008

Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry

General Information Form (TCEQ-0587)
Attachment C

Project Description

This Aboveground Storage Tank (AST) Plan has been prepared on behalf of Dalrymple Gravel & Contracting Company, Inc. for the Hondo Quarry site. The site includes approximately 600 acres of property. The Hondo Quarry will be established in an existing quarry pit which has been on-site since at least 1995. Dalrymple proposes seven double-walled steel tanks to be located onsite in support of their proposed operations. The site is in Medina County and is located over the Edwards Recharge Zone. A Water Pollution Abatement Plan has been submitted for the site on 7/22/2020 (EAPP ID 13001184).

The proposed ASTs are double-walled tanks.

AST No.	Contents	Capacity (gallons)	Tank Type
1	Off Road - Diesel	12,000	Double-walled Steel
2	On-Road Diesel	2,000	Double-walled Steel
3	Used Oil	1,000	Double-walled Steel
4	Gear Oil	275	Double-walled Steel
5	Hydraulic Oil	275	Double-walled Steel
6	Transmission Fluid	275	Double-walled Steel
7	Engine Oil	275	Double-walled Steel

No new construction is proposed for this site as a result of this AST Plan. In addition, miscellaneous oils may be onsite, kept in 55-gallon drums. It is expected to have no more than 10 drums onsite, however the exact number of drums onsite may vary based on operational needs. Each drum stored onsite will be in its own individual spill containment pallet, with a sump sized to meet the containment requirement of holding 150% of the drum contents.

The drainage patterns of the site will not change, and no soil stabilization measures are necessary. Several of the attachments relating to stormwater BMPs (Temporary Stormwater Section Attachments D, E, F, G, H, I & J) are not applicable to this project. There will be no major grading or construction activities grading as a result of this plan which will disturb soils, therefore stormwater BMPs are not necessary. No areas are proposed to be demolished.

A geologic assessment, dated May 13, 2020, is included in this report. Sensitive features and wells are noted on the AST site map. Copies of the original geologic assessment are included with this application.

DALRYMPLE GRAVEL & CONTRACTING COMPANY, INC.

GEOLOGIC ASSESSMENT

DALRYMPLE G&C QUARRY HONDO
3883 HWY 173N
HONDO, TX 78861
MEDINA COUNTY

Submitted to: TCEQ Region 13, San Antonio

Prepared By:



Boerne, Texas
830-249-8284

Date: MAY 2020
Project No. 10953-008
-JG-



Signature: Thomas O. Mathews II
Thomas O. Mathews II, PG - License No. 5321
TX PG Firm No. 50112

Date: 5-13-2020

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:

Telephone: 830-249-8284

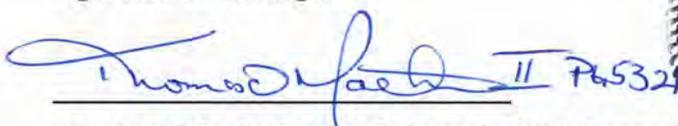
Thomas O. Mathews II, P.G. #5321

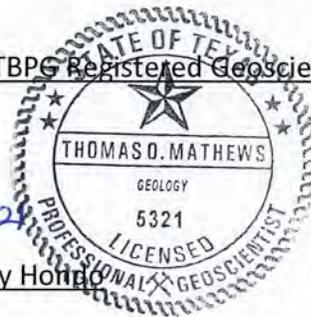
Fax: 830-249-0221

Date: 05/14/2020

Representing: Westward Environmental, Inc., TBPG Registered Geoscience Firm 50012

Signature of Geologist:





Regulated Entity Name: Dalrymple G&C Quarry Holdings

Project Information

1. Date(s) Geologic Assessment was performed: November 11-15, 21 & 22; December 3-4, 2019; & January 21, 2020
2. Type of Project:
 WPAP AST
 SCS UST
3. Location of Project:
 Recharge Zone

- Transition Zone
- Contributing Zone within the Transition Zone

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

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
AtA	B	> 6.67
AtB	B	> 6.67
DNC	C	< 2.58
KAD	D	< 1.33
KnA	C	> 6.67

* 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.

See report for additional Soil Units

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" = 400'
 Site Geologic Map Scale: 1" = 400'
 Site Soils Map Scale (if more than 1 soil type): 1" = 400'
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 3 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
- The wells are not in use and have been properly abandoned.
- The wells are not in use and will be properly abandoned.
- The wells are in use and comply with 16 TAC Chapter 76.
- There are no wells or test holes of any kind known to exist on the project site.

Administrative Information

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

Attachment A

Geologic Assessment Table (Form TCEQ-0585)

GEOLOGIC ASSESSMENT TABLE			PROJECT NAME: G&C Quarry Hondo																	
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)	DIP	DENSITY (NOFT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
						X	Y	Z								<40	≥50	<1.0	≥1.0	
S-1	29.454487	-99.142612	F	20	Kdvr	15			74	10			O	5	35	X			X	HILLSIDE
S-2	29.455317	-99.142718	Z-CD	30	Kdvr	10	15	1.5					O, F	5	35	X		X		HILLTOP
S-3	29.453014	-99.136612	CD	5	Kdvr	10	4	1.5					O, V	5	10	X		X		FLOODPLAIN
S-4	29.453520	-99.136584	CD	5	Kdvr	6	6	1					O, F	5	10	X		X		FLOODPLAIN
S-5	29.463511	-99.126974	SF	20	Kdvr	0.67	0.5	0.25	34				O	5	25	X			X	FLOODPLAIN
S-6	29.462876	-99.127087	F	20	Kdvr	75			48	10		0.25	O	5	35	X			X	HILLSIDE
S-7	29.462500	-99.126936	SC	20	Kdvr	0.5	0.5	2					O	5	25	X		X		HILLTOP
S-8	29.462743	-99.132614	CD	5	Kdvr	30	36	1.5					O	5	10	X		X		HILLTOP
S-9	29.456465	-99.133691	MB	30	Kdvr	0.5			unknown				X	5	35	X		X		HILLSIDE
S-10	29.455765	-99.127962	CD	5	Kdvr	20	25	1					O, C, X	5	10	X		X		FLOODPLAIN
S-11	29.460289	-99.125154	CD	5	Kdvr	3	6	0.83					O	5	10	X		X		FLOODPLAIN
S-12	29.461452	-99.124495	Z-SF	30	Kdvr	150	135		64	10	1/3		C	15	55		X	X		FLOODPLAIN
S-13	29.454696	-99.127345	SC	20	Kdvr	1.25	0.67	2	124				N, O	35	55		X		X	FLOODPLAIN
S-14	29.454175	-99.127145	Z-SC	30	Kdvr	50	20		64	10	1/2	0.25	O, C	35	75		X		X	FLOODPLAIN
S-15	29.456361	-99.125523	Z-F-SF	30	Kdvr	45	20		44 & 74	10	1/2	0.16	F	5	45		X		X	FLOODPLAIN
S-16	29.455132	-99.125060	CD	5	Kdvr	50	130	4					O	5	10	X		X		FLOODPLAIN
S-17	29.45508	-99.12312	SC	20	Qle	4	4	1.5	24				N, O	15	35	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

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Thomas O. Mathews II

Thomas O. Mathews II, PG (#5321)



Date 5-13-2020

GEOLOGIC ASSESSMENT TABLE			PROJECT NAME: G&C Quarry Hondo																	
LOCATION			FEATURE CHARACTERISTICS								EVALUATION			PHYSICAL SETTING						
1A	1B*	1C*	2A	2B	3	4			5	6A	6	7	8A	8B	9	10		11		12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY	
						X	Y	Z							<40	≥80	<1.6	≥1.6		
S-18	29.455415	-99.121866	Z-CD	30	Qle	40	40						N	5	35	X		X		HILLSIDE
S-19	29.455353	-99.121009	Z-CD	30	Qle	15	40						O, C	5	35	X		X		HILLSIDE
S-20	29.454792	-99.121005	CD	5	Qle	3	8	1					O, C	5	10	X		X		HILLSIDE
S-21	29.45464	-99.12119	Z-CD	30	Qle	35	40						O, C	5	35	X		X		HILLSIDE
S-22	29.45406	-99.12025	Z-CD	30	Qle	20	20						O, C	5	35	X		X		HILLSIDE
S-23	29.45491	-99.12020	CD	5	Qle	4	6	8					O, C	5	10	X		X		HILLSIDE
S-24	29.45302	-99.11801	CD	5	Qle	100	175	2.5					O, V	5	10	X			X	HILLSIDE
S-25	29.45597	-99.11830	C	30	Kdvr	2	2.5	6	234				N	35	65		X	X		HILLSIDE
S-26	29.45818	-99.12317	Z-MB	30	Kdvr	30	200	54					N	5	35	X		X		HILLSIDE
S-27	29.45798	-99.12348	SF	20	Kdvr	0.67	0.125	0.83	48	10			F		30	X		X		HILLSIDE
S-28	29.46059	-99.11732	CD	5	Qle	172	67	4					O	5	10	X			X	HILLSIDE
S-29	29.45919	-99.11966	SC	20	Kdvr	1.5	0.5	2	144				O	7	27	X		X		HILLSIDE
S-30	29.45914	-99.11966	SC	20	Kdvr	0.83	0.67	2	39				F, O	5	25	X		X		HILLSIDE
S-31	29.45984	-99.11951	SF	20	Kdvr	1.25	0.0825	0.75	156				O	7	27	X		X		HILLSIDE
S-32A	29.45939	-99.11852	SF	20	Kdvr	0.67	0.125	1.42	129				O	7	27	X		X		HILLSIDE
S-32B	29.45939	-99.11852	SF	20	Kdvr	1	0.125	1.42	179				O	7	27	X		X		HILLSIDE
S-33	29.45602	-99.11953	MB	30	Kdvr	0.58		unknown					X	5	35	X		X		HILLSIDE
S-34	29.45994	-99.11848	SC	20	Kdvr	1.5	0.67	3	324				F, O	5	25	X		X		HILLSIDE

* DATUM: NAD 83

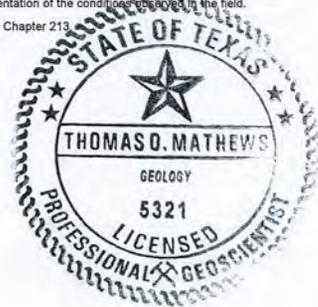
2A TYPE	TYPE	2B POINTS
C	Cave	30
SC	Solution cavity	20
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F	Fault	20
O	Other natural bedrock features	5
MB	Manmade feature in bedrock	30
SW	Swallow hole	30
SH	Sinkhole	20
CD	Non-karst closed depression	5
Z	Zone, clustered or aligned features	30

8A INFILLING	
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O	Loose or soft mud or soil, organics, leaves, sticks, dark colors
F	Fines, compacted clay-rich sediment, soil profile, gray or red colors
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X	Other materials

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

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 Thomas O. Mathews II, PG (#5321)



Date 5-13-2020

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						X	Y	Z							<40	≥50	<1.6	≥1.6		
S-35	29.455906	-99.117556	SC	20	Kdvr	2	0.83	1.75	289				F,O	5	25	X		X		HILLSIDE
S-36	29.43045	-99.12317	MB	30	Kdvr	0.33			unknown				X	5	35	X		X		HILLSIDE
S-37	29.46241	-99.12292	Z-CD	30	Kdvr	300	300	12					N, V	5	35	X			X	HILLSIDE
S-38	29.45918	-99.12193	Z-MB	30	Kdvr	1060	845	88					N, F	5	35	X			X	HILLSIDE
S-39	29.46135	-99.12468	F	20	Kdvr	2			58	10			O	5	35	X			X	HILLSIDE

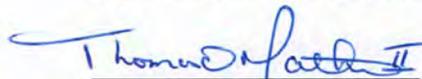
* DATUM: NAD 83

2A TYPE	TYPE	2B POINTS
C	Cave	30
SC	Solution cavity	20
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 Thomas O. Mathews II, PG (#5321)

Date 5-13-2020



Attachment B

Stratigraphic Column

Generalized Stratigraphic Column: Medina County, Texas

Hydrogeologic subdivision		Group, formation, or member	Hydro-logic function	Thickness (feet)	Lithology	Field identification	Cavern development	Porosity/permeability type				
Quaternary		Alluvium	AQ	0–30	Siltstone to sandstone	Sandstone and silt	None	High porosity/high permeability				
		Leona Formation	AQ	0–65	Sand, gravel, silt, and clay	Chert and limestone	Rare to none	Low to high porosity/low permeability				
Upper Cretaceous	Upper confining unit	Escondido Formation	AQ	300	Shale, sandstone, and limestone	Gray sandstone and shale	Rare to none	Low to high porosity/low permeability				
		Anachaco Limestone	CU	240–400	Fossiliferous limestone and marl	Red-brown to light-gray limestone; marl	Rare	Low to high porosity/low permeability				
		Austin Group	CU	225–350	Buff to white chalk; limestone and marl	White, light-gray limestone	Rare	Low porosity/low permeability				
		Eagle Ford Group	CU	30–50	Brown, flaggy shale and argillaceous limestone	Dark-brown shale; petroliferous odor	None	Low porosity/low permeability				
		Buda Limestone	CU	40–50	Buff, light-gray, dense mudstone	White, dense limestone	None	Low porosity/low permeability				
		Del Rio Clay	CU	40–50	Blue-green to yellow-brown clay	Blue-green to medium-brown shale; <i>Ilymatogyra arietina</i>	None	Low porosity/low permeability				
I		Georgetown Formation	Karst AQ; not karst CU	0–20	Reddish-brown, gray to light-tan, marly limestone	Red-brown to gray marly limestone; <i>Waconella wacoensis</i>	None	Low porosity/low permeability				
Lower Cretaceous	Edwards aquifer	Devils River Formation	Edwards Group	Segovia Formation	Person Formation	Cyclic and marine members, undivided	AQ	0–10	Mudstone to packstone; <i>miliolid</i> grainstone; chert	*	Many subsurface; might be associated with earlier karst development	Laterally extensive; both fabric and not fabric/water-yielding
						Leached and collapsed members, undivided	AQ	70–90	Crystalline limestone; mudstone to grainstone; chert; collapsed breccia	Bioturbated iron-stained beds separated by massive limestone beds; stromatolitic limestone	Extensive lateral development; large rooms	Majority not fabric/one of the most porous and permeable
						Regional dense member	CU	16–20	Dense, argillaceous mudstone	Wispy iron-oxide stains	Very few; only vertical fracture enlargement	Not fabric/low permeability; vertical barrier
						Grainstone member	AQ	50–60	<i>Miliolid</i> grainstone; mudstone to wackestone; chert	White crossbedded grainstone	Few	Not fabric/recrystallization reduces permeability
						Kirschberg evaporite member	AQ	50–60	Highly altered crystalline limestone; chalky mudstone; chert	Boxwork voids, with neospar and travertine frame	Probably extensive cave development	Majority fabric/one of the most porous and permeable
						Dolomitic member	AQ	110–140	Mudstone to grainstone; crystalline limestone; chert	Massively bedded, light gray; <i>Toucasia</i> abundant	Caves related to structure or bedding planes	Mostly not fabric; some bedding-plane fabric/water-yielding
						Basal nodular member	Karst AQ; not karst CU	50–60	Shaly, nodular limestone; mudstone and <i>miliolid</i> grainstone	Massive, nodular and mottled; abundant gastropods and <i>Exogyra texana</i>	Large lateral caves at surface; a few caves near Koenig Creek (see plate 1)	Fabric; stratigraphically controlled/large conduit flow at surface; no permeability in subsurface
						Trinity aquifer	Lower	Upper member of Glen Rose Limestone	CU; evaporite beds AQ	350–500	Yellowish tan, thinly bedded limestone and marl	Stair-step topography; alternating limestone and marl; <i>Orbitolina minuta</i>

Attachment C

Site Geology (Geologic Narrative)

Geologic Assessment for the Dalrymple G&C Quarry Hondo in Medina County, Texas.

1.0 PURPOSE

Westward Environmental, Inc. (**WESTWARD**) has been retained by Dalrymple Gravel & Contracting Company, Inc. to prepare a Geologic Assessment (GA) on their ~ 600-acre Dalrymple G&C Quarry Hondo in Medina County, Texas (Site). This GA was prepared as a required attachment to a Water Pollution Abatement Plan (WPAP) Application for the Site.

2.0 REGULATORY GUIDANCE

Chapter 30 of the Texas Administrative Code

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

3.0 PROJECT LOCATION

The Site is located approximately 7.3 miles north of the intersection of U.S. Highway 90 and State Highway 173, just north of Hondo, Medina County, Texas. It is on the west side of State Highway 173. The Site is located over the Edwards Aquifer Recharge Zone (EARZ).

4.0 METHODOLOGY

As part of the GA, **WESTWARD** geologists performed both a desktop review and field investigation in accordance with *Instructions for Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones (TCEQ-0585 (Rev. 10-01-04))*.

4.1 Desktop Review

WESTWARD geologists conducted a review of aerial imagery, the University of Texas Bureau of Economic Geology (BEG) Geologic Atlas of Texas (GAT) San Antonio Sheet, applicable U.S. Geological Survey (USGS) Topographic quadrangle(s), the Texas Natural Resources Information System (TNRIS), the Texas Water Development Board's (TWDB) Water Data Interactive Groundwater Data Viewer (Well Viewer), 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 Assessment Area under the direction of Thomas O. Mathews II, P.G. (#5321) on November 11-15, 21 & 22, 2019; December 3-4, 2019; and January 24, 2020. 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 the 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

The GAT San Antonio Sheet and the digital GAT database available through TNRIS shows the Devils River Limestone (Kdvr) and the Leona Formation (Qle) mapped at the Site.

5.2 Published Structure

The desktop review revealed three (3) faults at the Site that run from southwest to northeast. Two (2) of the faults are mapped USGS inferred faults that run across the Site. The northernmost one has a bearing of approximately 55° across most of the Site then becomes approximately 38° as it approaches the northern property boundary. The southernmost inferred fault has an approximate bearing of 52° and runs across the southeasternmost corner of the Site. The third fault is a mapped BEG fault east of the Site that stops just inside the eastern project boundary. It has a bearing of approximately 58°.

5.3 Karst Features

The desktop review did not reveal any karst features.

5.4 Non-karst & Manmade Features

The desktop review revealed two (2) water wells, state well numbers 6939308 & 6940102, at the Site. It also revealed an existing aggregates quarry at the Site.

5.5 Soils

Twelve (12) soil types were identified onsite 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 also included in Attachment D.

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Published Soil Unit Descriptions			
<i>Soil Name</i>	<i>Group</i>	<i>Thickness (Inches)</i>	<i>Description</i>
Atco loam (AtA) 0 – 1 percent slopes	B	0” – 78”	Well drained with moderately high (0.57 in/hr) to high (1.98 in/hr) Ksat values
Atco loam (AtB) 1 – 3 percent slopes	B	0” – 78”	Well drained with moderately high (0.57 in/hr) to high (1.98 in/hr) Ksat values
Dina association (DNC) gently undulating	C	0” – 31”	Well drained with moderately high (0.20 - 0.57 in/hr) Ksat values
Kavett-Tarrant association (KAD) Undulating	D	0” – 16”	Well drained with moderately low (0.06 in/hr) to moderately high (0.57 in/hr) Ksat values
Knippa clay (KnA) 0 to 1 percent slopes	C	0” – 35”	Well drained with moderately high (0.20 - 0.57 in/hr) Ksat values
Orif soils (Or) 0 – 3 percent slopes frequently flooded	A	0” – 80”	Well drained with high (1.98 – 5.95) in/hr) Ksat values
Speck association (SPD) 1 – 8 percent slopes	D	0” – 15”	Well drained with moderately low (0.06 in/hr) to moderately high (0.20 in/hr) Ksat values
Eckrant-Rock outcrop association (TAD) 1 – 10 percent slopes	D	0” – 12”	Well drained with moderately low (0.06 in/hr) to moderately high (0.57 in/hr) Ksat values
Eckrant-Rock outcrop association (TAF) 8 – 30 percent slopes	D	0” – 12”	Well drained with moderately low (0.06 in/hr) to moderately high (0.57 in/hr) Ksat values
Tarrant and Speck soils (TeD) 1 – 8 percent slopes	D	0” – 15”	Well drained with moderately low (0.06 in/hr) to moderately high (0.57 in/hr) Ksat values
Valco clay loam (VaB) 0 – 2 percent slopes	D	0” – 40”	Well drained with very low (0.00 in/hr) Ksat values
Victoria clay (VcA) 0 – 1 percent slopes	D	0” – 70”	Somewhat poorly drained with very low (0.00 in/hr) to moderately low (0.06 in/hr) Ksat values

6.0 FIELD INVESTIGATION

The field investigation was performed to verify the presence or absence of published data identified in the desktop review and to identify, assess and record any features not previously observed at the Site.

6.1 Surface Geology

The mapped surface geology at the Site was confirmed at the time of the field investigation by the presence of chert-bearing light tan and light gray limestone which characterize the limestone in the Edwards aquifer, including the Devils River Formation.

6.2 Structure

Three (3) faults, S-1, S-6, and S-39, were observed during the field investigation. S-1 had a bearing of $\sim 74^\circ$, S-6 had a bearing of $\sim 48^\circ$, and S-39 had a bearing of $\sim 58^\circ$. An average of these three faults was taken to determine the dominant fault trend at the Site, which is 60° .

6.3 Karst Features

Sixteen (16) karst features consisting of six (6) solution cavities, nine (9) solution-enlarged fractures, and one (1) cave, were observed during the field investigation.

6.4 Non-karst & Manmade Features

Three (3) compliant and operating water wells, S-9, S-33 and S-36, were identified and recorded during the field investigation. None of these wells were found on the Texas Water Development Board (TWDB) Groundwater Database or on any other public database for registered wells. Of those wells revealed in the desktop review, state well number 6939308 was not found on the property at all and state well number 6940102 was found to be just outside of the property line, hence it was not listed as a feature below. Ten (10) non-karst closed depressions and six (6) zones of non-karst closed depressions were identified and recorded. Feature S-38 which consists of the main pit in the existing quarry was also identified and recorded.

6.5 Feature Descriptions

S-1 (F)

Not Sensitive

Feature S-1 is a fault that was observed as fractured rock and shows as a lineation in aerial imagery. The fractured rock was observed in several spots over an area measuring approximately 15 feet wide with a bearing of 74° E and is located on the southwestern part of the project area. The voids created by the fractures were observed to be filled with soil. The probability of rapid infiltration is low.

S-2 (Z-CD)

Not Sensitive

Feature S-2 is a zone of non-karst closed depressions in an area measuring approximately 10' x 15' x 1.5' on the southwestern part of the project area with large persimmon trees. There is a series of deeper burrows within the depressions which are infilled with soil and fine-grained sediment. This feature is located on a hilltop with no catchment area. The probability of rapid infiltration is low.

S-3 (CD)

Not Sensitive

Feature S-3 is a non-karst closed depression that measures approximately 10' x 4' x 1.5' and is located approximately 25 feet from the southern project boundary. The bottom consists of black soil and is covered with dry grass and scattered cobbles. A mesquite tree was also observed in the feature. The probability of rapid infiltration is low.

S-4 (CD)

Not Sensitive

Feature S-4 is a non-karst closed depression that measures approximately 6' x 6' x 1'. It is located just less than 200 feet north of feature S-3. The bottom consists of black soil and is covered with dry grass and grown vegetation. The probability of rapid infiltration is low.

S-5 (SF)

Not Sensitive

Feature S-5 is a solution-enlarged fracture that is located on a fault (S-6) near the northern project boundary on the 100-year floodplain. It measures approximately 0.67' x 0.5' x 0.25' and has an approximate orientation of N34°E. The feature is plugged with soil. The probability of rapid infiltration is low.

S-6 (F)

Not Sensitive

Feature S-6 is a fault that was observed just inside the floodplain towards the northern project boundary. Approximately 75' of the fault was observed and was oriented at about N48°E. Another fault line was observed extending from the first line at ~340° and connecting to features S-1 and S-5. Both of those fault lines extended to reach fault S-1 which formed a triangular-shaped fault zone at the northwestern end of feature S-1. The faulting at this zone forms a steep drainage with a large catchment area. Soil-filled fractures were observed every couple of feet with a maximum aperture of up to 3 inches. The probability of rapid infiltration is low.

S-7 (SC)

Not Sensitive

Feature S-7 is a solution cavity located south of feature S-6 measuring approximately 0.5' x 0.5' x 2'. The feature was plugged with soil at the time of field investigation. The probability of rapid infiltration is low.

S-8 (CD)

Not Sensitive

Feature S-8 is a non-karst closed depression that measures approximately 30' x 36' x 1.5'. It is located on the northwestern part of the Site. There were several other shallow closed depressions nearby. The bottom was observed to be filled with black soil. The probability of rapid infiltration is low.

S-9 (MB)

Not Sensitive

Feature S-9 is a water well located along the project boundary, where the north-south boundary meets the east-west boundary. It has a 0.5' diameter casing and sits on a concrete surface slab. The seal was intact and the well appeared to be in working condition at the time of field investigation. This well was not found on the Texas Water Development Board (TWDB) Groundwater Database or on any other public database for registered wells therefore the depth is unknown. The well is in use and was put in place before 16 TAC

Chapter 76 became effective on January 3, 1999. The probability of rapid infiltration is low.

S-10 (CD)

Not Sensitive

Feature S-10 is a non-karst closed depression that measures approximately 20' x 25' x 1' and located in the south-central part of the Site in the 100-year floodplain. The bottom consists of black soil and is covered with grass and scattered boulders. The probability of rapid infiltration is low.

S-11 (CD)

Not Sensitive

Feature S-11 is a non-karst closed depression at the base of a bluff measuring approximately 3' x 6' x 0.83'. The bottom was observed to be soil-filled with some vegetation and was surrounded by cobbles and boulders at the time of field investigation. It is in a very small catchment area and the probability of rapid infiltration is low.

S-12 (Z-SF)

Sensitive

Feature S-12 is a zone of solution-enlarged fractures located on the floodplain, on the northcentral part of the Site. It sits just outside of the ordinary flow above the bottom of Verde Creek. The zone measures approximately 150' x 135' and is located along a published fault. It has a bearing of N64°E which corresponds to that of the published fault. Approximately one (1) fracture was observed for every 3'. The voids that make up this zone were infilled with cobbles and gravel. The probability of rapid infiltration is moderate.

S-13 (SC)

Sensitive

Feature S-13 is a solution cavity that was observed cliffside below the flood line along Verde Creek on the southern portion of the Site. The feature measures approximately 1.25' x 0.67' x 2' and slopes inward, with an approximate trend of 124°. Leaves and animal activity were observed around the feature. It did not appear to be filled at the time of field reconnaissance. The probability of rapid infiltration is high.

S-14 (Z-SF)

Sensitive

Feature S-14 is a zone of solution-enlarged fractures along Verde Creek. The area encompassing the zone measures approximately 50' x 20' and is located in the main channel of the creek. It is possible that this feature is evidence of a fault. They have an approximate bearing of N64°E which is within the dominant trend range for the fault zone in this area. There appeared to be 1 solution-enlarged fracture about every 2'. The aperture for each was observed to be between 1-3" and infilled with soil and/or gravel. This zone has a very large catchment area, therefore, the probability of rapid infiltration is moderate to high.

S-15 (Z-SF)

Sensitive

Feature S-15 is a zone of solution-enlarged fractures near the bank of Verde Creek. This zone measures approximately 45' x 20'. The approximate trends were 44° and 74°, both within the dominant trend range in this area. This feature, like S-14, could also be evidence of a fault. There appeared to be 1 fracture for about every 2' with apertures between 1-2". The fractures appeared to be filled with mud. The probability of rapid infiltration is low.

S-16 (CD)

Not Sensitive

Feature S-16 is a non-karst closed depression in a field on the southeast part of the Site. It appears to have been an old borrow pit. The feature measures approximately 50' x 130' x 4'. The bottom appears to consist of soil and is topped with grass and scattered cobbles. The probability of rapid infiltration is low.

S-17 (SC)

Not Sensitive

Feature S-17 is a solution cavity within a closed depression measuring approximately 4' x 4' x 1.5'. The solution cavity on the measures 0.67' x 0.67' x 4' with an approximate bearing of 24°. Animal activity was observed along the opening of the solution cavity however this feature was noted due to the presence of bedrock. Soil was observed at the bottom of the depression but the opening of the solution cavity, which is on one side, was not filled. The probability of rapid infiltration is moderate.

S-18 (Z-CD)

Not Sensitive

Feature S-18 is a zone of about 5-6 non-karst closed depressions located about 125 feet south of the road running east to west on the south side of the Site. Each one has a roughly round shape that measures up to 5' in diameter. The zone measures approximately 40' x 40'. The area is scattered with large trees. Exposed limestone was observed around the feature although karst was not observed at the time of field investigation. The bottom was observed to be comprised of soil and has a small catchment area. The probability of rapid infiltration is low.

S-19 (Z-CD)

Not Sensitive

Feature S-19 is a zone of three (3) non-karst closed depressions located within 300 ft. east of S-18. Two of them measure approximately 3' x 6' and the third measures 3' x 3'. The zone measures approximately 15' x 40'. The floor was observed to be comprised of soil and cobbles. The area surrounding the features is scattered with trees and short vegetation. Conversations with the landowner at the time of field investigation indicated that trees had been uprooted and sold in this area. These features and the surrounding zones of non-karst closed depressions are likely a result of land clearing. This feature is assigned a low rapid infiltration rate because soil is piled up on the hillsides and because it has a small catchment area.

S-20 (CD)

Not Sensitive

Feature S-20 is a non-karst closed depression measuring approximately 3' x 8' x 1'. It is located in the same area that was said to have been previously cleared. The floor is comprised of soil and cobbles and has a small catchment area. The probability of rapid infiltration is low.

S-21 (Z-CD)

Not Sensitive

Feature S-21 is another zone of non-karst closed depressions in the southeastern portion of the Site measuring approximately 35' x 40'. The individual features are roughly round in shape with two of them measuring approximately 3' x 3' while the third measures approximately 4' x 4'. The bottom consists of soil and cobbles and has a small catchment area. The probability of rapid infiltration is low.

S-22 (Z-CD)

Not Sensitive

Feature S-22 is a zone of four (4) small non-karst closed depressions that are closely spaced in an approximate 20' x 20' area. The floor of the feature is comprised of soil and some cobbles although one of the closed depressions was filled with cobbles and plugged with soil. There was no evidence of soil sapping at the time of field investigation. A small grove of oak trees and tree canopy was observed near the feature. The probability of rapid infiltration is low.

S-23 (CD)

Not Sensitive

Feature S-23 is a non-karst closed depression measuring 4' x 6' x 8'. It is located under a tree canopy on the southeastern part of the Site. It appears to be an open animal burrow floored with soil and cobbles. It has a small catchment area. The probability of rapid infiltration is low.

S-24 (CD)

Not Sensitive

Feature S-24 is a large non-karst closed depression measuring approximately 100' x 175' x 2'-2.5'. It is located on the southeast corner of the Site. The feature is ringed by large oak trees and the floor consists of soil with heavy grass coverage. It has a large catchment area. The probability of rapid infiltration is low.

S-25 (C)

Sensitive

Feature S-25 is a cave located about 300 feet due east of the residence at the Site. The opening measures approximately 2' x 2.5' x 6' and has an approximate bearing of 234°. The floor was observed to be comprised of soil but the cavity was not plugged. The probability of rapid infiltration is high.

S-26 (Z-MB)

Not Sensitive

Feature S-26 is a zone of forty-six (46) drill holes that are each about 8" in diameter. The area encompassing these holes measures approximately 30' x 200' x 54'. Area dimensions were taken using imagery taken from drone aerial photography and elevations were taken using drone contour data. These holes at the time of field reconnaissance were open and therefore the probability of rapid infiltration is low as these production drill holes are proposed to either be covered until used or plugged.

S-27 (SF)

Not Sensitive

Feature S-27 is a solution-enlarged fracture in bedrock measuring approximately 0.67' x 0.125' x 0.83' and has an approximate bearing of 48°. It was observed to be plugged with red clay. The probability of rapid infiltration is low.

S-28 (CD)

Not Sensitive

Feature S-28 is a non-karst closed depression that is located alongside the eastern Site boundary, just inside the fence line. It measures approximately 172' x 67' x 4'. These measurements were taken from an ESRI World Imagery aerial map and from drone contour data. The bottom was observed to consist of fine-grained sediment and grass with a few scattered cobbles. The probability of rapid infiltration is low.

S-29 (SC)

Not Sensitive

Feature S-29 is a solution cavity located on the east-central part of the Site. It measures approximately 1.5' x 0.5' x 2' with an approximate bearing of 144°. Limestone was exposed on one side of the feature and extended to the base which appeared to be filled in with soil and organics. The probability of rapid infiltration is low.

S-30 (SC)

Not Sensitive

Feature S-30 is a solution cavity located less than 80 feet from feature S-29. It measures approximately 0.83' x 0.67' x 2' with an approximate trend of N39°. At the time of field reconnaissance, some limestone was exposed and the bottom appeared to be filled in with fine organics. There was also evidence of small animal activity in the feature. The probability of rapid infiltration is low.

S-31 (SF)

Not Sensitive

Feature S-31 is a solution-enlarged fracture in bedrock measuring approximately 1.25' x .0825' x 0.75' with an approximate trend of 156°. At the time of field reconnaissance the feature was filled in with soil and organics. The probability of rapid infiltration is low.

S-32 (SF)

Not Sensitive

Feature S-32 is a pair of solution-enlarged fractures about 2' apart. The first one that was observed, S-32A, measures approximately .67' x .125' x 1.42' and has an approximate trend of 129°. The second, S-32B, measures approximately 1' x .125' x 1.42' and has an approximate trend of 179°. Both were observed to be filled with brown soil at the time of field reconnaissance. The probability of rapid infiltration is low.

S-33 (MB)

Not Sensitive

Feature S-1 is a water well on a concrete surface slab within an enclosed structure located just north of the road right before it bends northward to the main pit. The well is driven by an electrical pump and appeared to be in working condition at the time of field reconnaissance. The casing measures approximately 7" in diameter, is topped with a ½" metal cap, and is sealed with concrete. This well was not found on the Texas Water Development Board (TWDB) Groundwater Database or on any other public database for registered wells therefore the depth is unknown. The well is in use and was put in place before 16 TAC Chapter 76 became effective on January 3, 1999. The probability of rapid infiltration is low.

S-34 (SC)

Not Sensitive

Feature S-34 is a solution cavity that measures approximately 1.5' x 0.67' x 3' and has an approximate trend of 324°. The cavity was underneath a tree and appeared to be infilled with soil and dry leaves at the time of field reconnaissance. The probability of rapid infiltration is low.

S-35 (SC)

Not Sensitive

Feature S-35 is a solution cavity that measures approximately 2' x 0.83' x 1.75' and has an approximate trend of 289°. It appeared to be filled with fine-grained soil, leaves, and twigs. The area was covered with young trees. The probability of rapid infiltration is low.

S-36 (MB)

Not Sensitive

Feature S-36 is a water well located where the road meets the main pit area. This well was not found on the Texas Water Development Board (TWDB) Groundwater Database or on any other public database for registered wells therefore the depth is unknown. The well is in use and was put in place before 16 TAC Chapter 76 became effective on January 3, 1999. The probability of rapid infiltration is low.

S-37 (Z-CD)

Not Sensitive

Feature S-37 is a zone of three ponds aligned north to south on the northern part of the quarry. Approximate measurements for each pond from north to south are: 55' x 32' x 12'; 30' x 60' x 6'; and 64' x 47' x 6'. These area dimensions were taken using aerial imagery taken from drone aerial photography and elevations were taken using drone contour data. From aerial imagery, it appears that the floors of the two northern ponds are covered with vegetation and the southernmost pond is floored with bedrock in the center surrounded by vegetation. The probability of rapid infiltration is low.

S-38 (MB)

Not Sensitive

Feature S-38 is comprised of the main pit. Using aerial imagery and elevation data taken from the drone flight, the feature measures approximately 1060' x 845' x 88'. The floor appears to be compacted base with some exposed limestone. The probability of rapid infiltration is low.

S-39 (F)

Not Sensitive

Feature S-39 is a fault that was observed on ~2' x 2' fractured limestone outcrop. It has an approximate bearing of 58°, which is within the dominant trend range in this area. This is believed to be the same feature as the USGS inferred fault, which is mapped just to the south, because it eventually intersects that mapped fault at a point along Verde Creek, at feature S-12 which is the zone of solution-enlarged fractures. Additionally, there was no other evidence of faulting to the south of this feature. Heavy soil cover was observed in the area where evidence of this feature was first encountered, on the southwestern part. The northeastern part of the fault line consists of fractured limestone across the Verde Creek drainage. The probability of rapid infiltration is low.

This section intentionally left blank.



Feature S-5: Solution-enlarged fracture located on a fault.



Feature S-7: Solution cavity just outside of floodplain.



Feature S-12: Zone of solution-enlarged fractures.



Feature S-13: Solution cavity along Verde Creek.



Feature S-14: Zone of solution-enlarged fractures.



Feature S-25: Cave located on eastern part of Site.



Feature S-26: Open drill holes on southern part of pit.



Feature S-27: Clay-plugged solution-enlarged fracture in bedrock.



Feature S-31: Soil-filled solution-enlarged fracture in bedrock.



Feature S-32: Pair of soil-filled solution-enlarged fractures.

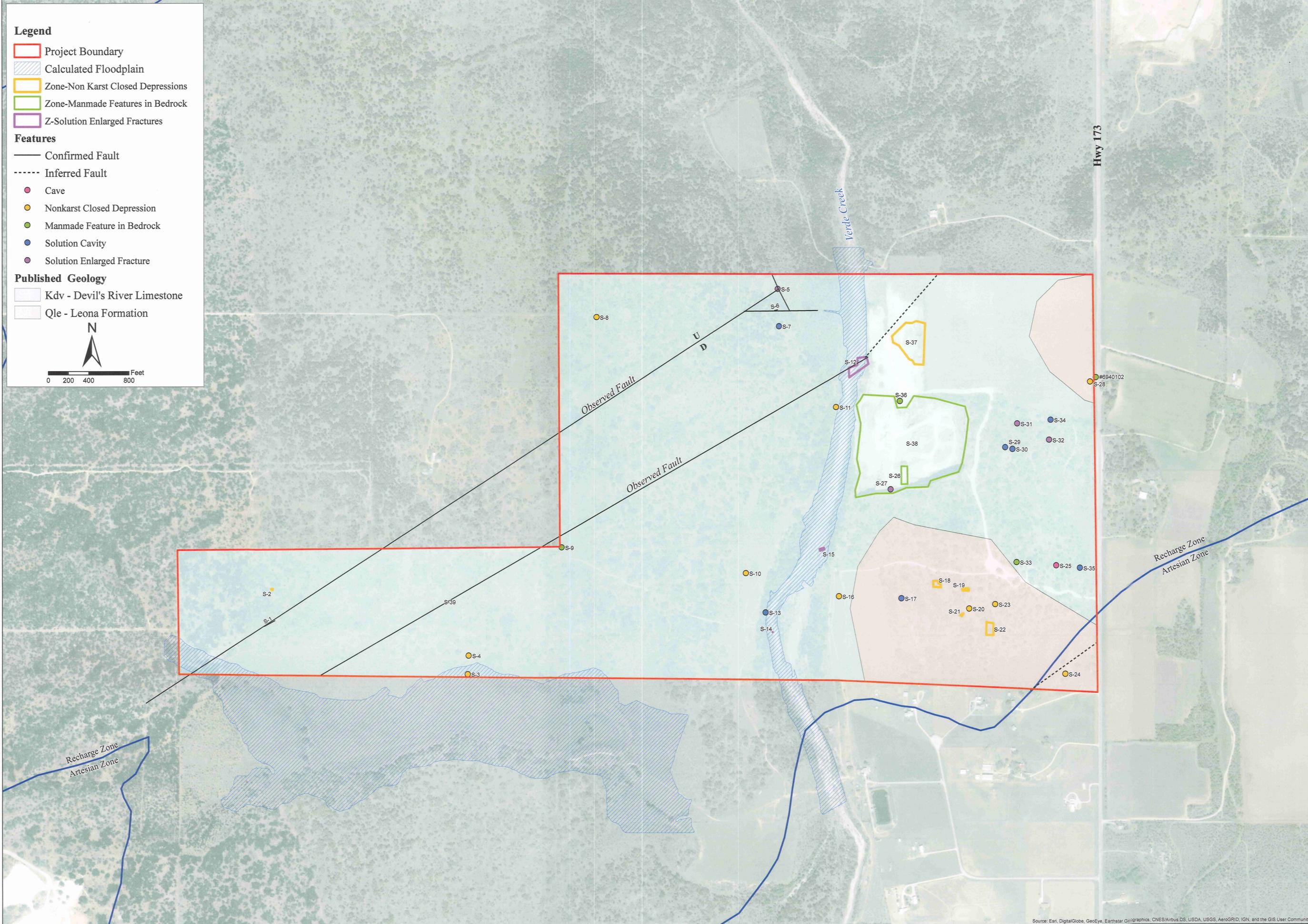
Attachment D

Site Geologic Map **Site Soils Map**

REV	DESCRIPTION	BY	DATE



SITE GEOLOGIC MAP
 DALRYMPLE G&C QUARRY HONDO
 DALRYMPLE GRAVEL & CONTRACTING CO., INC.
 HONDO, MEDINA COUNTY, TEXAS



Legend

- Project Boundary
- Calculated Floodplain
- Zone-Non Karst Closed Depressions
- Zone-Manmade Features in Bedrock
- Z-Solution Enlarged Fractures

Features

- Confirmed Fault
- Inferred Fault
- Cave
- Nonkarst Closed Depression
- Manmade Feature in Bedrock
- Solution Cavity
- Solution Enlarged Fracture

Published Geology

- Kdv - Devil's River Limestone
- Qle - Leona Formation

Scale: 0 200 400 800 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

Project Boundary

Features

- Confirmed Fault
- Inferred Fault
- Cave
- Nonkarst Closed Depression
- Manmade Feature in Bedrock
- Solution Cavity
- Solution Enlarged Fracture
- Zone-Non Karst Closed Depressions
- Zone-Manmade Features in Bedrock
- Zone-Solution Enlarged Fractures

Soil Units

- AtA - Atco loam (0-1% slope)
- AtB - Atco loam (1-3% slopes)
- DNC - Dina association
- KAD - Kavett-Tarrant association
- KnA - Knippa clay
- Or - Orif soils
- SPD - Speck association
- TAD - Eckrant-Rock outcroppo association (1-10% slopes)
- TAF - Eckrant-Rock outcrop association (8-30% slopes)
- TeD - Tarrant and Speck soils
- VaB - Valco clay loam
- VcA - Victoria clay

0 200 400 800 Feet

N

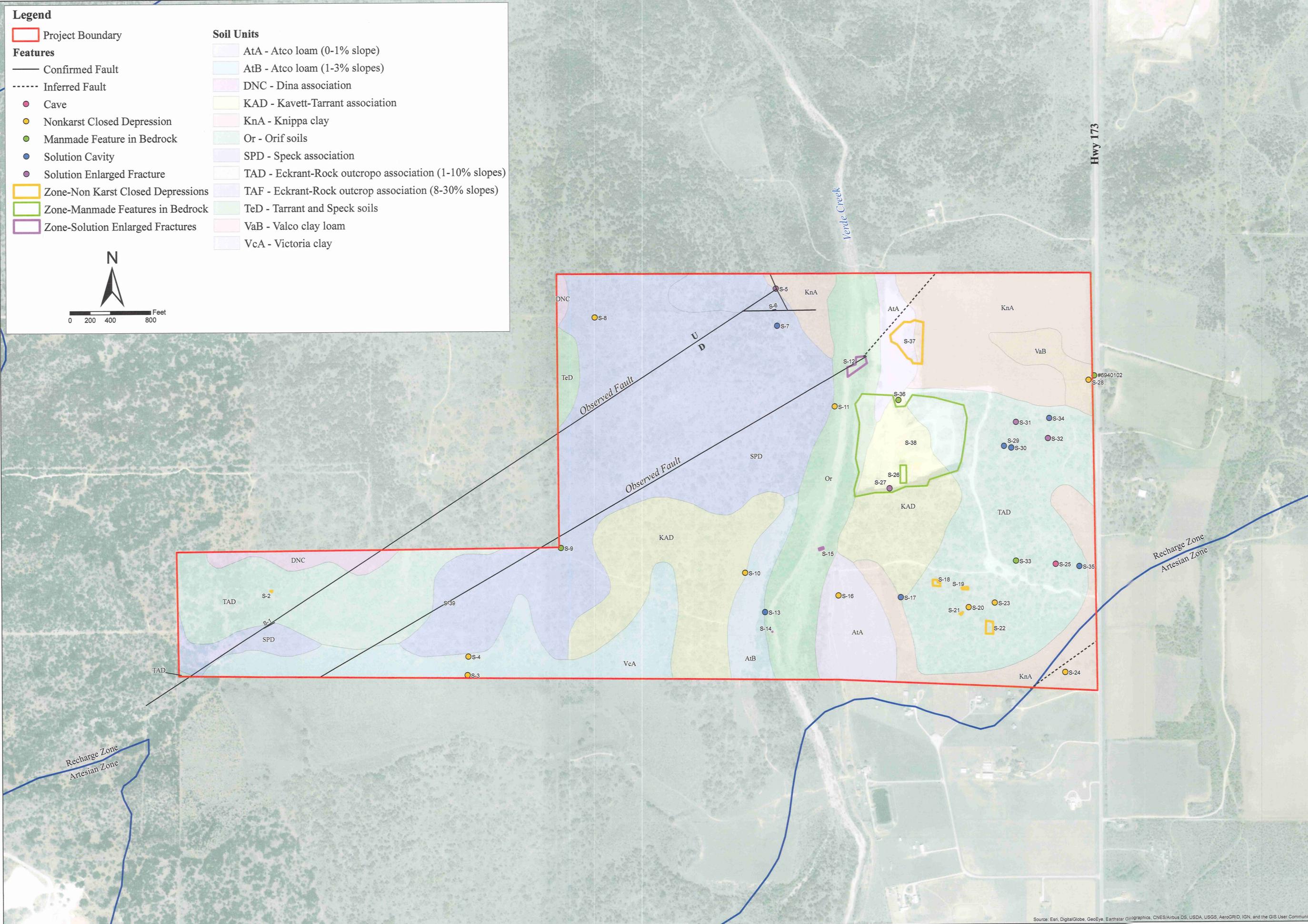


IMAGE: ESRI WORLD IMAGERY
 ISSUE DATE: 08/12/2020
 DRAWN BY: JG
 CHECKED BY: TM
 SCALE: 1" = 400'
 JOB NO.: 10953-008
 SHEET NO.:
01
 OF 01

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



SITE SOILS MAP
 DALRYMPLE G&C QUARRY HONDO
 DALRYMPLE GRAVEL & CONTRACTING CO., INC.
 HONDO, MEDINA COUNTY, TEXAS

Source: Esri, DigitalGlobe, GeoEye, Earthstar, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Attachment E

State Well Report: Well No. 6939308

State Well Report: Well No. 6940102

[GWDB Reports and Downloads](#)

Well Basic Details

[Scanned Documents](#)

State Well Number	6939308
County	Medina
River Basin	Nueces
Groundwater Management Area	10
Regional Water Planning Area	L - South Central Texas
Groundwater Conservation District	Edwards Aquifer Authority
Latitude (decimal degrees)	29.460556
Latitude (degrees minutes seconds)	29° 27' 38" N
Longitude (decimal degrees)	-99.128889
Longitude (degrees minutes seconds)	099° 07' 44" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	218EBFZA - Edwards and Associated Limestones - (Balcones Fault Zone Aquifer)
Aquifer	Edwards (Balcones Fault Zone)
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1028
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	247
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1937
Drilling Method	
Borehole Completion	Open Hole

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Historical Observation Well
Water Quality Available	No
Pump	Piston
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Fritz Martin
Driller	J Harper
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	10/8/2015
Last Update Date	10/8/2015

Remarks Well I-3-22 in B-5601.

Casing						
Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
5	Blank				0	120
	Open Hole				120	247

Well Tests - No Data

Lithology - No Data

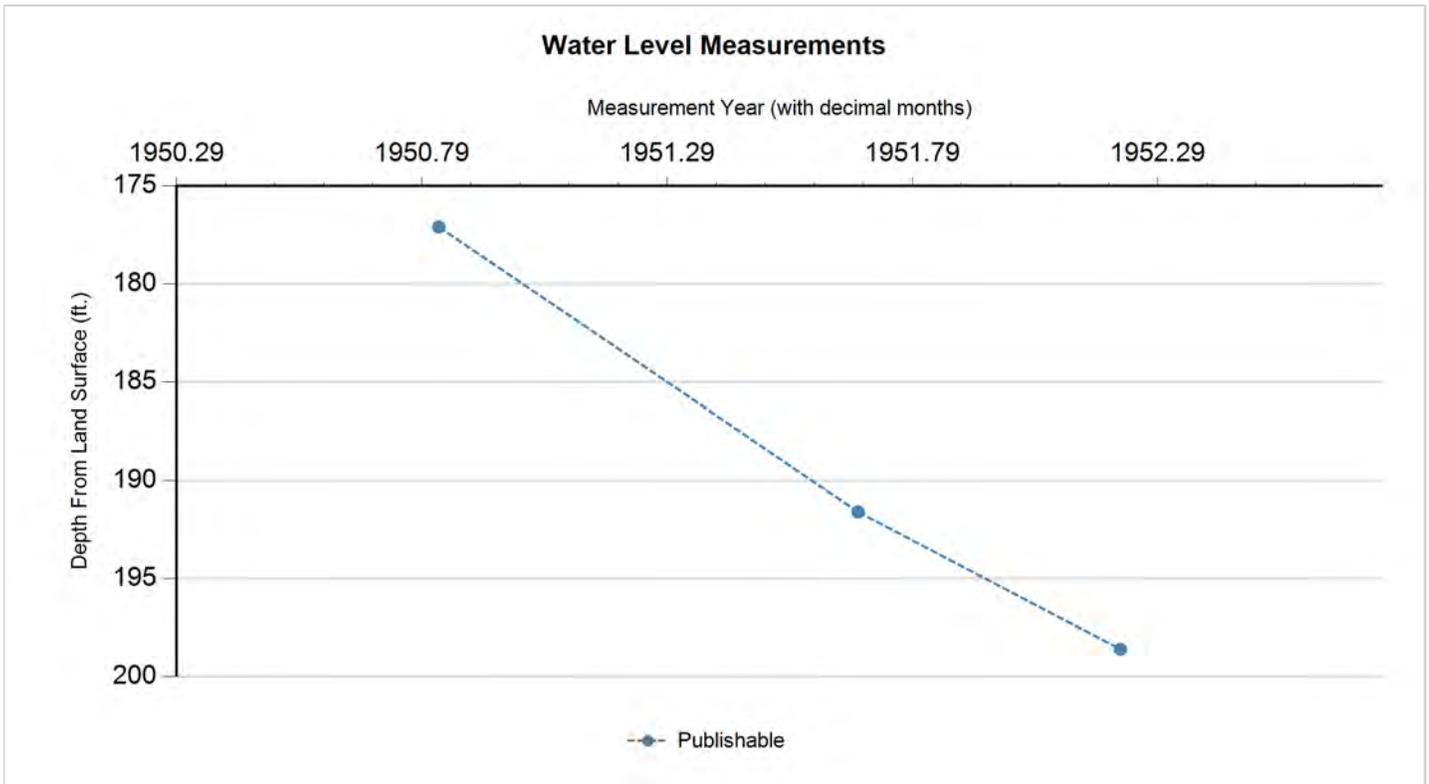
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/30/1950		177.1		850.9	1	U.S. Geological Survey	Steel Tape		
P	9/7/1951		191.6	14.50	836.4	1	U.S. Geological Survey	Steel Tape		
P	3/17/1952		198.6	7.00	829.4	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

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[GWDB Reports and Downloads](#)

Well Basic Details

[Scanned Documents](#)

State Well Number	6940102
County	Medina
River Basin	Nueces
Groundwater Management Area	10
Regional Water Planning Area	L - South Central Texas
Groundwater Conservation District	Edwards Aquifer Authority
Latitude (decimal degrees)	29.4611111
Latitude (degrees minutes seconds)	29° 27' 40" N
Longitude (decimal degrees)	-99.1172222
Longitude (degrees minutes seconds)	099° 07' 02" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	218EDRDA - Edwards and Associated Limestones
Aquifer	Edwards (Balcones Fault Zone)
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	965
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	559
Well Depth Source	Geophysical Log
Drilling Start Date	
Drilling End Date	7/15/1993
Drilling Method	
Borehole Completion	

Well Type	Observation
Well Use	Unused
Water Level Observation	GCD Current Observation Well
Water Quality Available	Yes
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Edwards Aquifer Authority - Quihi Well
Driller	Cenizo Drilling
Other Data Available	Caliper; Casing Color; Drillers Log; Electric Log; Gamma Ray
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Groundwater Conservation District
Created Date	8/21/2012
Last Update Date	2/1/2018

Remarks

Casing - No Data

Well Tests - No Data

Lithology - No Data

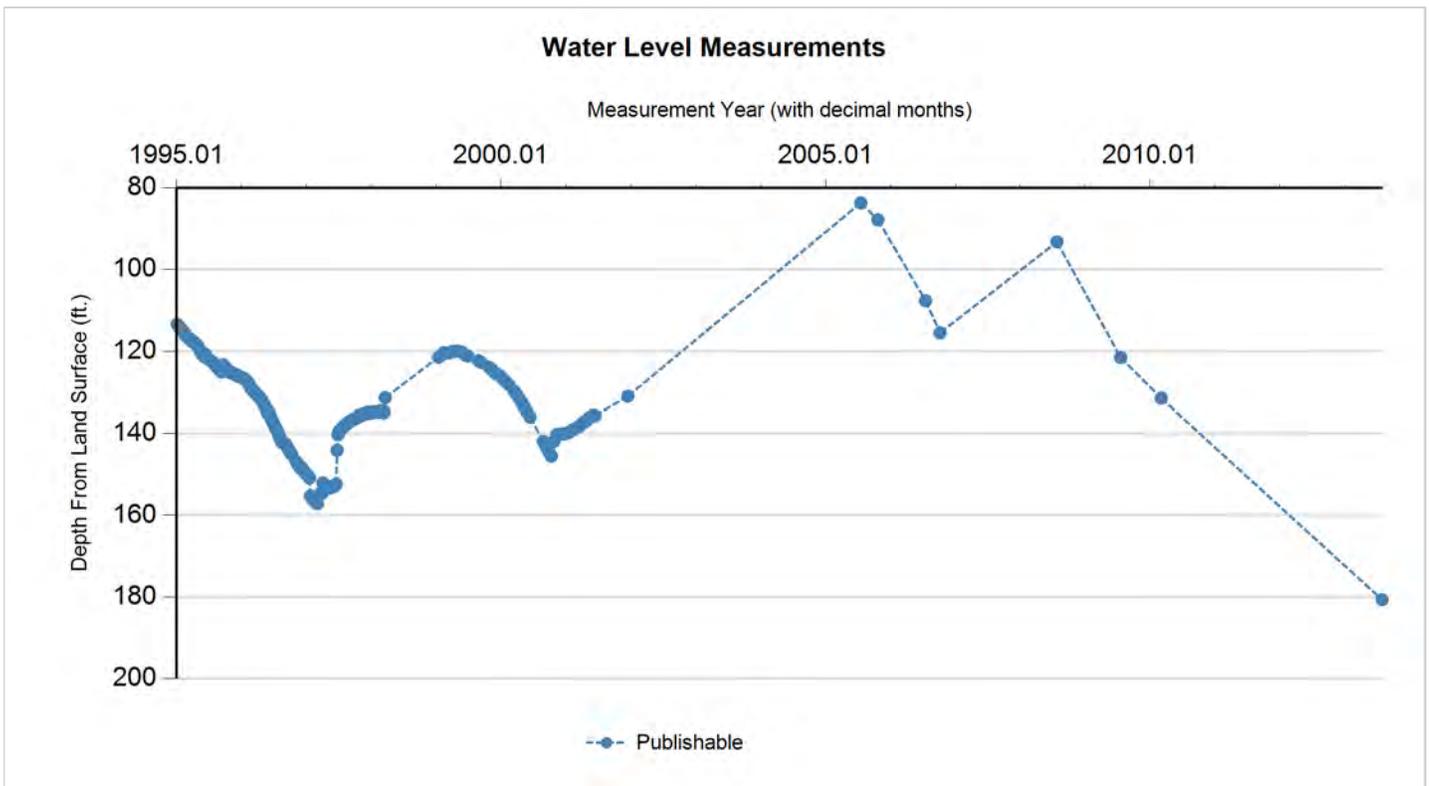
Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/5/1995		113.39		851.61	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/10/1995		113.69	0.30	851.31	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/15/1995		113.86	0.17	851.14	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/20/1995		114.2	0.34	850.8	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/25/1995		114.4	0.20	850.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/30/1995		114.63	0.23	850.37	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/5/1995		114.9	0.27	850.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/10/1995		115.1	0.20	849.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/15/1995		115.4	0.30	849.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/20/1995		116	0.60	849	1	Groundwater Conservation District	Recorder (Float or Transducer)		

**Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
69-40-102**

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/25/1995		116.1	0.10	848.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/28/1995		116.3	0.20	848.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/5/1995		116.5	0.20	848.5	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/10/1995		116.8	0.30	848.2	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/15/1995		116.93	0.13	848.07	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/20/1995		117.1	0.17	847.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/25/1995		117.3	0.20	847.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/30/1995		117.62	0.32	847.38	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/5/1995		117.7	0.08	847.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/10/1995		117.7	0.00	847.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/15/1995		118.01	0.31	846.99	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/20/1995		118.2	0.19	846.8	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/25/1995		118.5	0.30	846.5	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/30/1995		118.64	0.14	846.36	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/5/1995		119.1	0.46	845.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/10/1995		119.4	0.30	845.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/15/1995		119.84	0.44	845.16	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/20/1995		120.3	0.46	844.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/25/1995		120.6	0.30	844.4	1	Groundwater Conservation District	Recorder (Float or Transducer)		

**Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
69-40-102**

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/30/1995		120.9	0.30	844.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/5/1995		121.1	0.20	843.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/10/1995		121.4	0.30	843.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/15/1995		120.76	(0.64)	844.24	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/20/1995		121.4	0.64	843.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/25/1995		121.8	0.40	843.2	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/30/1995		121.89	0.09	843.11	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/5/1995		122	0.11	843	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/10/1995		122.2	0.20	842.8	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/15/1995		122.34	0.14	842.66	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/20/1995		122.5	0.16	842.5	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/25/1995		122.7	0.20	842.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/30/1995		122.88	0.18	842.12	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/5/1995		123.1	0.22	841.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/10/1995		123.4	0.30	841.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/15/1995		123.55	0.15	841.45	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/20/1995		123.9	0.35	841.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/25/1995		124.1	0.20	840.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/30/1995		124.33	0.23	840.67	1	Groundwater Conservation District	Recorder (Float or Transducer)		

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P	9/5/1995		124.6	0.27	840.4	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/10/1995		124.9	0.30	840.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/15/1995		125.12	0.22	839.88	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/20/1995		124.4	(0.72)	840.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/25/1995		123.3	(1.10)	841.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/30/1995		123.66	0.36	841.34	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/5/1995		123.8	0.14	841.2	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/10/1995		124.2	0.40	840.8	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/15/1995		124.46	0.26	840.54	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/20/1995		124.8	0.34	840.2	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/25/1995		124.9	0.10	840.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/30/1995		125.15	0.25	839.85	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/5/1995		125.1	(0.05)	839.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/10/1995		125.1	0.00	839.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/15/1995		125.37	0.27	839.63	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/20/1995		125.4	0.03	839.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/25/1995		125.5	0.10	839.5	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/30/1995		125.62	0.12	839.38	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/5/1995		125.7	0.08	839.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		

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P	12/10/1995		126	0.30	839	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/15/1995		125.87	(0.13)	839.13	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/20/1995		126.1	0.23	838.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/25/1995		126.3	0.20	838.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/30/1995		126.23	(0.07)	838.77	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/5/1996		126.4	0.17	838.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/10/1996		126.6	0.20	838.4	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/15/1996		126.65	0.05	838.35	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/20/1996		126.8	0.15	838.2	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/25/1996		127	0.20	838	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/30/1996		127.2	0.20	837.8	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/5/1996		127.5	0.30	837.5	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/10/1996		127.7	0.20	837.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/15/1996		128	0.30	837	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/20/1996		128.6	0.60	836.4	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/25/1996		129	0.40	836	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/29/1996		129.3	0.30	835.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/5/1996		129.4	0.10	835.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/10/1996		129.8	0.40	835.2	1	Groundwater Conservation District	Recorder (Float or Transducer)		

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P	3/15/1996		129.83	0.03	835.17	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/20/1996		130.3	0.47	834.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/25/1996		130.4	0.10	834.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/30/1996		130.6	0.20	834.4	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/5/1996		130.9	0.30	834.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/10/1996		131.2	0.30	833.8	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/15/1996		131.33	0.13	833.67	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/20/1996		131.7	0.37	833.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/25/1996		131.9	0.20	833.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/30/1996		132.3	0.40	832.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/5/1996		132.7	0.40	832.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/10/1996		133	0.30	832	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/15/1996		133.63	0.63	831.37	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/20/1996		133.9	0.27	831.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/25/1996		134.5	0.60	830.5	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/30/1996		135.1	0.60	829.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/5/1996		134.7	(0.40)	830.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/10/1996		135.3	0.60	829.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/15/1996		135.84	0.54	829.16	1	Groundwater Conservation District	Recorder (Float or Transducer)		

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P	6/20/1996		136.4	0.56	828.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/25/1996		136.9	0.50	828.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/30/1996		137.4	0.50	827.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/5/1996		137.8	0.40	827.2	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/10/1996		138.3	0.50	826.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/15/1996		138.61	0.31	826.39	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/20/1996		139.1	0.49	825.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/25/1996		139.4	0.30	825.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/30/1996		140	0.60	825	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/5/1996		140.7	0.70	824.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/10/1996		141.2	0.50	823.8	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/15/1996		141.61	0.41	823.39	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/20/1996		142.2	0.59	822.8	1	Groundwater Conservation District	Recorder (Float or Transducer)		
X	8/25/1996					1	Groundwater Conservation District		28	
X	8/30/1996					1	Groundwater Conservation District		28	
P	9/5/1996		142.4		822.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/10/1996		142.6	0.20	822.4	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/15/1996		142.91	0.31	822.09	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/20/1996		143.4	0.49	821.6	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/25/1996		143.7	0.30	821.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		

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P	9/30/1996		144.1	0.40	820.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/5/1996		144.5	0.40	820.5	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/10/1996		144.8	0.30	820.2	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/15/1996		145.11	0.31	819.89	1	Groundwater Conservation District	Recorder (Float or Transducer)		
X	10/20/1996					1	Groundwater Conservation District		28	
X	10/25/1996					1	Groundwater Conservation District		28	
X	10/30/1996					1	Groundwater Conservation District		28	
X	11/5/1996					1	Groundwater Conservation District		28	
P	11/10/1996		146.9		818.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/15/1996		147.24	0.34	817.76	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/20/1996		147.5	0.26	817.5	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/25/1996		147.9	0.40	817.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/30/1996		148.1	0.20	816.9	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/5/1996		148.48	0.38	816.52	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/10/1996		148.32	(0.16)	816.68	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/15/1996		148.6	0.28	816.4	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/20/1996		149.01	0.41	815.99	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/25/1996		149.26	0.25	815.74	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/30/1996		149.64	0.38	815.36	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/5/1997		150.01	0.37	814.99	1	Groundwater Conservation District	Recorder (Float or Transducer)		

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P	1/10/1997		150.26	0.25	814.74	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/15/1997		150.55	0.29	814.45	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/20/1997		150.88	0.33	814.12	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/25/1997		155.29	4.41	809.71	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/30/1997		155.57	0.28	809.43	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/5/1997		155.9	0.33	809.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/10/1997		156.22	0.32	808.78	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/15/1997		156.45	0.23	808.55	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/20/1997		156.56	0.11	808.44	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/25/1997		156.81	0.25	808.19	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/28/1997		156.99	0.18	808.01	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/5/1997		157.17	0.18	807.83	1	Groundwater Conservation District	Recorder (Float or Transducer)		
X	3/10/1997					1	Groundwater Conservation District		28	
X	3/15/1997					1	Groundwater Conservation District		28	
X	3/20/1997					1	Groundwater Conservation District		28	
P	3/25/1997		154.45		810.55	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/30/1997		154.61	0.16	810.39	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/5/1997		152.04	(2.57)	812.96	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/10/1997		152.24	0.20	812.76	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/15/1997		152.59	0.35	812.41	1	Groundwater Conservation District	Recorder (Float or Transducer)		

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P	4/20/1997		152.74	0.15	812.26	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/25/1997		152.98	0.24	812.02	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	4/30/1997		153.07	0.09	811.93	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/5/1997		153.19	0.12	811.81	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/10/1997		153.3	0.11	811.7	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/15/1997		153.21	(0.09)	811.79	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/20/1997		153.24	0.03	811.76	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/25/1997		152.95	(0.29)	812.05	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	5/30/1997		152.9	(0.05)	812.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/5/1997		152.97	0.07	812.03	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/10/1997		152.82	(0.15)	812.18	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/15/1997		152.66	(0.16)	812.34	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/20/1997		152.35	(0.31)	812.65	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/25/1997		144.09	(8.26)	820.91	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	6/30/1997		140.29	(3.80)	824.71	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/5/1997		139.62	(0.67)	825.38	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/10/1997		139.26	(0.36)	825.74	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/15/1997		139.08	(0.18)	825.92	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/20/1997		138.76	(0.32)	826.24	1	Groundwater Conservation District	Recorder (Float or Transducer)		

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P	7/25/1997		138.54	(0.22)	826.46	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/30/1997		138.42	(0.12)	826.58	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/5/1997		138.12	(0.30)	826.88	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/10/1997		137.94	(0.18)	827.06	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/15/1997		137.87	(0.07)	827.13	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/20/1997		137.59	(0.28)	827.41	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/25/1997		137.46	(0.13)	827.54	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	8/30/1997		137.24	(0.22)	827.76	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/5/1997		137.11	(0.13)	827.89	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/10/1997		136.93	(0.18)	828.07	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/15/1997		136.86	(0.07)	828.14	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/20/1997		136.71	(0.15)	828.29	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/25/1997		136.6	(0.11)	828.4	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	9/30/1997		136.46	(0.14)	828.54	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/5/1997		136.43	(0.03)	828.57	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/10/1997		136.29	(0.14)	828.71	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/15/1997		136.27	(0.02)	828.73	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/20/1997		135.98	(0.29)	829.02	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/25/1997		135.67	(0.31)	829.33	1	Groundwater Conservation District	Recorder (Float or Transducer)		

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P	10/30/1997		135.7	0.03	829.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/5/1997		135.7	0.00	829.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/10/1997		135.6	(0.10)	829.4	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/15/1997		135.47	(0.13)	829.53	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/20/1997		135.31	(0.16)	829.69	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/25/1997		135.35	0.04	829.65	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	11/30/1997		135.2	(0.15)	829.8	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/5/1997		135.28	0.08	829.72	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/10/1997		135.13	(0.15)	829.87	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/15/1997		135.16	0.03	829.84	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/20/1997		134.86	(0.30)	830.14	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/25/1997		135	0.14	830	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	12/30/1997		135	0.00	830	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/5/1998		134.9	(0.10)	830.1	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/10/1998		134.95	0.05	830.05	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/15/1998		134.88	(0.07)	830.12	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/20/1998		134.79	(0.09)	830.21	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/25/1998		134.85	0.06	830.15	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/30/1998		134.81	(0.04)	830.19	1	Groundwater Conservation District	Recorder (Float or Transducer)		

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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	2/5/1998		134.82	0.01	830.18	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/10/1998		134.76	(0.06)	830.24	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/15/1998		134.86	0.10	830.14	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/20/1998		134.81	(0.05)	830.19	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/25/1998		134.53	(0.28)	830.47	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	2/28/1998		134.81	0.28	830.19	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/5/1998		134.69	(0.12)	830.31	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/10/1998		134.98	0.29	830.02	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/15/1998		134.76	(0.22)	830.24	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	3/20/1998		131.38	(3.38)	833.62	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	1/15/1999		121.47	(9.91)	843.53	1	Groundwater Conservation District	Steel Tape		
P	1/30/1999		120.98	(0.49)	844.02	1	Groundwater Conservation District	Steel Tape		
P	2/15/1999		120.35	(0.63)	844.65	1	Groundwater Conservation District	Steel Tape		
P	3/15/1999		120.45	0.10	844.55	1	Groundwater Conservation District	Steel Tape		
P	3/30/1999		120.12	(0.33)	844.88	1	Groundwater Conservation District	Steel Tape		
P	4/15/1999		120.02	(0.10)	844.98	1	Groundwater Conservation District	Steel Tape		
P	4/30/1999		119.98	(0.04)	845.02	1	Groundwater Conservation District	Steel Tape		
P	5/15/1999		120.04	0.06	844.96	1	Groundwater Conservation District	Steel Tape		
P	5/30/1999		120.33	0.29	844.67	1	Groundwater Conservation District	Steel Tape		
P	6/15/1999		120.95	0.62	844.05	1	Groundwater Conservation District	Steel Tape		
P	6/30/1999		121.18	0.23	843.82	1	Groundwater Conservation District	Steel Tape		
P	8/30/1999		122.32	1.14	842.68	1	Groundwater Conservation District	Steel Tape		
P	9/15/1999		122.75	0.43	842.25	1	Groundwater Conservation District	Steel Tape		

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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/30/1999		123.95	1.20	841.05	1	Groundwater Conservation District	Steel Tape		
P	11/15/1999		124.51	0.56	840.49	1	Groundwater Conservation District	Steel Tape		
P	11/30/1999		125.16	0.65	839.84	1	Groundwater Conservation District	Steel Tape		
P	12/15/1999		125.66	0.50	839.34	1	Groundwater Conservation District	Steel Tape		
P	12/30/1999		125.98	0.32	839.02	1	Groundwater Conservation District	Steel Tape		
P	1/15/2000		126.88	0.90	838.12	1	Groundwater Conservation District	Steel Tape		
P	1/30/2000		127.54	0.66	837.46	1	Groundwater Conservation District	Steel Tape		
P	2/15/2000		128.16	0.62	836.84	1	Groundwater Conservation District	Steel Tape		
P	3/15/2000		129.69	1.53	835.31	1	Groundwater Conservation District	Steel Tape		
P	3/30/2000		130.61	0.92	834.39	1	Groundwater Conservation District	Steel Tape		
P	4/15/2000		131.58	0.97	833.42	1	Groundwater Conservation District	Steel Tape		
P	4/30/2000		132.66	1.08	832.34	1	Groundwater Conservation District	Steel Tape		
P	5/15/2000		133.8	1.14	831.2	1	Groundwater Conservation District	Steel Tape		
P	5/30/2000		134.94	1.14	830.06	1	Groundwater Conservation District	Steel Tape		
P	6/15/2000		135.99	1.05	829.01	1	Groundwater Conservation District	Steel Tape		
P	8/30/2000		141.94	5.95	823.06	1	Groundwater Conservation District	Steel Tape		
P	9/15/2000		143.23	1.29	821.77	1	Groundwater Conservation District	Steel Tape		
P	9/30/2000		144.39	1.16	820.61	1	Groundwater Conservation District	Steel Tape		
P	10/15/2000		145.54	1.15	819.46	1	Groundwater Conservation District	Steel Tape		
P	10/30/2000		141.85	(3.69)	823.15	1	Groundwater Conservation District	Steel Tape		
P	11/15/2000		140.32	(1.53)	824.68	1	Groundwater Conservation District	Steel Tape		
P	11/30/2000		140.19	(0.13)	824.81	1	Groundwater Conservation District	Steel Tape		
P	12/15/2000		140.05	(0.14)	824.95	1	Groundwater Conservation District	Steel Tape		
P	12/30/2000		140.09	0.04	824.91	1	Groundwater Conservation District	Steel Tape		
P	1/15/2001		139.78	(0.31)	825.22	1	Groundwater Conservation District	Steel Tape		
P	1/30/2001		139.41	(0.37)	825.59	1	Groundwater Conservation District	Steel Tape		
P	2/15/2001		138.98	(0.43)	826.02	1	Groundwater Conservation District	Steel Tape		

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P	3/15/2001		138.26	(0.72)	826.74	1	Groundwater Conservation District	Steel Tape		
P	3/30/2001		137.72	(0.54)	827.28	1	Groundwater Conservation District	Steel Tape		
P	4/15/2001		137.18	(0.54)	827.82	1	Groundwater Conservation District	Steel Tape		
P	4/30/2001		136.77	(0.41)	828.23	1	Groundwater Conservation District	Steel Tape		
P	5/15/2001		136.09	(0.68)	828.91	1	Groundwater Conservation District	Steel Tape		
P	5/30/2001		135.69	(0.40)	829.31	1	Groundwater Conservation District	Steel Tape		
P	6/15/2001		135.69	0.00	829.31	1	Groundwater Conservation District	Steel Tape		
P	12/20/2001		131	(4.69)	834	1	Groundwater Conservation District	Electric Line		
P	7/20/2005		83.7	(47.30)	881.3	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/26/2005		87.84	4.14	877.16	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/19/2006		107.64	19.80	857.36	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	10/11/2006		115.5	7.86	849.5	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/28/2008		93.25	(22.25)	871.75	1	Groundwater Conservation District	Recorder (Float or Transducer)		
P	7/21/2009		121.53	28.28	843.47	1	Groundwater Conservation District	Steel Tape		
P	3/4/2010		131.45	9.92	833.55	1	Groundwater Conservation District	Electric Line		
P	7/31/2013		180.65	49.20	784.35	1	Groundwater Conservation District	Electric Line		

Code Descriptions

Status Code	Status Description
P	Publishable
X	No Measurement

Remark ID	Remark Description
28	Uncertain of reason for no measurement

Water Quality Analysis

Sample Date: 12/20/2001 **Sample Time:** 1230 **Sample Number:** 1 **Collection Entity:** Edwards Aquifer Authority (EAA)

Sampled Aquifer: Edwards and Associated Limestones

Analyzed Lab: LCRA - Lower Colorado River Authority

Reliability: Sampled using TWDB protocols

Collection Remarks: EAA SB-1 Coop

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CaCO3		236	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		240	mg/L	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	4	ug/L	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		33.6	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292.88	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)	<	51	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.0587	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		82.9	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		7.17	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	1	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	1	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.08	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		238	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)	<	51	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		2.41	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		7.42	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	1	ug/L	
01065	NICKEL, DISSOLVED (UG/L AS NI)		2.16	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		8.06	mg/L	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		1.82	mg/L	
00400	PH (STANDARD UNITS), FIELD		6.86	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.22	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.05		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	4	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SiO2)		15.6	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.13		

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Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00932	SODIUM, CALCULATED, PERCENT		4	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		4.65	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		500	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		144	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		7.56	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		23.8	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		279	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		3.13	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	4	ug/L	

Water Quality Analysis

Sample Date: 7/31/2012 **Sample Time:** 1305 **Sample Number:** 1 **Collection Entity:** Edwards Aquifer Authority (EAA)

Sampled Aquifer: Edwards and Associated Limestones

Analyzed Lab: LCRA - Lower Colorado River Authority

Reliability: Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CaCO3		253	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	<	2	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		240	mg/L	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	4	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		-1.74	PCT	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)		1.1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		35.3	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		292.88	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)	<	50	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.05	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		90	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		7.49	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)		1.5	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	1	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.1	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		258	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)	<	50	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		2.2	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		7.93	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	1	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		6.68	mg/L	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		1.51	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.09	SU	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	<	0.02	mg/L	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.13	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	4	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SiO2)		14.1	mg/L	

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Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
01075	SILVER, DISSOLVED (UG/L AS AG)		<	1 ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)			0.12	
00932	SODIUM, CALCULATED, PERCENT			4 PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)			4.47 mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)			504 MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)			153 ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)			7.3 mg/L	
00010	TEMPERATURE, WATER (CELSIUS)			24.2 C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)		<	1 ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)			283 mg/L	
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)		<	1 ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)			2.8 ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)			5.6 ug/L	

Water Quality Analysis

Sample Date: 7/31/2013 **Sample Time:** 1145 **Sample Number:** 1 **Collection Entity:** Edwards Aquifer Authority (EAA)

Sampled Aquifer: Edwards and Associated Limestones

Analyzed Lab: LCRA - Lower Colorado River Authority

Reliability: Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CaCO3		216	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	<	20	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		206	mg/L	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	4	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		2.27	PCT	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		29.9	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		251.39	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		96.3	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.0529	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		60.7	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		8.16	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	1	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	1	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.16	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		211	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)	<	50	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		2.42	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		14.3	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	1	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		4.07	mg/L	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		0.92	mg/L	
00400	PH (STANDARD UNITS), FIELD		7.23	SU	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	<	0.02	mg/L	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.01	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	4	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SiO2)		12	mg/L	

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Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
01075	SILVER, DISSOLVED (UG/L AS AG)		<	1 ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)			0.15	
00932	SODIUM, CALCULATED, PERCENT			5 PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)			5.04 mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)			470 MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)			200 ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)			13.9 mg/L	
00010	TEMPERATURE, WATER (CELSIUS)			27.74 C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)		<	1 ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)			243 mg/L	
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)		<	1 ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)			3.63 ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		<	4 ug/L	

* Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (<http://www.twdb.texas.gov/groundwater/data/gwdbbrpt.asp>) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Aboveground Storage Tank Facility Plan Application

Texas Commission on Environmental Quality

For Permanent Storage on The Edwards Aquifer Recharge and Transition Zones And Relating to 30 TAC §213.5(e), Effective June 1, 1999

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

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

Signature

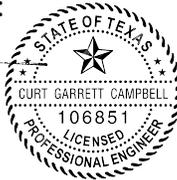
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Aboveground Storage Tank Facility Plan Application** is hereby submitted for TCEQ review and Executive Director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

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

Texas License No. 106851 | Firm No. 4524

Date: 9/17/2020

Signature of Customer/Agent/Engineer:



Regulated Entity Name: Hondo Quarry

Aboveground Storage Tank (AST) Facility Information

1. Tanks and substance stored:

Table 1 - Tank and Substance Storage

<i>AST Number</i>	<i>Size (Gallons)</i>	<i>Substance to be Stored</i>	<i>Tank Material</i>
1	12,000	Diesel	Double-walled Steel
2	2,000	Diesel	Double-walled Steel
3	1,000	Used Oil	Double-walled Steel
4	275	Gear Oil	Double-walled Steel

<i>AST Number</i>	<i>Size (Gallons)</i>	<i>Substance to be Stored</i>	<i>Tank Material</i>
5	275	Transmission fluid	Double-walled Steel
6	275	Hydraulic fluid	Double-walled Steel
7	275	Engine Oil	Double-walled Steel

2. The AST will be placed within a containment structure that is sized to capture one and one-half (1 1/2) times the storage capacity of the system. For facilities with more than one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.
- Attachment A - Alternative Methods of Secondary Containment.** Alternative methods for providing secondary containment are proposed. Specifications that show equivalent protection for the Edwards Aquifer are attached.
3. Inside dimensions and capacity of containment structure(s): **N/A – proposed tanks are double-walled.**

Table 2 - Secondary Containment

<i>Length (L) (Ft.)</i>	<i>Width (W) (Ft.)</i>	<i>Height (H) (Ft.)</i>	<i>L x W x H = (Ft³)</i>	<i>Gallons</i>

Total: _____ Gallons

4. All piping, hoses, and dispensers will be located inside the containment structure.
- Some of the piping to dispensers or equipment will extend outside the containment structure.
- The piping will be aboveground
- The piping will be underground
5. The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of double-walled steel tanks.
6. **Attachment B - Scaled Drawing(s) of Containment Structure.** A scaled drawing of the containment structure that shows the following is attached: **N/A**
- Interior dimensions (length, width, depth and wall and floor thickness).
- Internal drainage to a point convenient for the collection of any spillage.
- Tanks clearly labeled.
- Piping clearly labeled.

Dispenser clearly labeled.

Site Plan Requirements

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

7. The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 400'.
8. 100-year floodplain boundaries:
- Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
 - No part of the project site is located within the 100-year floodplain.
 - The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA 48325C0350C Effective 4/3/2012 and 48325C0325C Effective 4/3/2012.
9. The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Show lots, recreation centers, buildings, roads, etc.
- The layout of the development is shown with existing contours. Finished topographic contours will not differ from the existing topographic configuration and are not shown.
10. All known wells (oil, water, unplugged, capped and/or abandoned, test holes, etc.):
- There are 3 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply):
 - The wells are not in use and have been properly abandoned.
 - The wells are not in use and will be properly abandoned.
 - The wells are in use and comply with 16 TAC § 76.
 - There are no wells or test holes of any kind known to exist on the project site.
11. Geologic or manmade features which are on the site:
- All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.
 - No sensitive geologic or manmade features were identified in the Geologic Assessment.
 - Attachment C - Exception to the Geologic Assessment.** A request and justification for an exception to a portion of the Geologic Assessment is attached.
12. The drainage patterns and approximate slopes anticipated after major grading activities.
N/A – No major grading activities.
13. Areas of soil disturbance and areas which will not be disturbed. **N/A – none**

14. Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices. **N/A - none**
15. Locations where soil stabilization practices are expected to occur. **N/A**
16. Surface waters (including wetlands).
 N/A
17. Locations where stormwater discharges to surface water or sensitive features.
 There will be no discharges to surface water or sensitive features.
18. Legal boundaries of the site are shown.

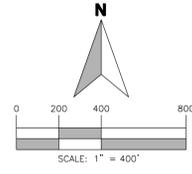
Best Management Practices

19. Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.
 In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.
 In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.
20. All stormwater accumulating inside the containment structure will be disposed of through an authorized waste disposal contractor. **N/A – no containment structure**
 Containment area will be covered by a roof.
 Containment area will not be covered by a roof.
 A description of the alternate method of stormwater disposal is submitted for the executive director's review and approval and is attached.
21. **Attachment D - Spill and Overfill Control.** A site-specific description of the methods to be used at the facility for spill and overfill control is attached.
22. **Attachment E - Response Actions to Spills.** A site-specific description of the planned response actions to spills that will take place at the facility is attached.

Administrative Information

23. A Water Pollution Abatement Plan (WPAP) is required for construction of any associated commercial, industrial or residential project located on the Recharge Zone.
 The WPAP application for this project was approved by letter dated _____. A copy of the approval letter is attached at the end of this application.

- The WPAP application for this project was submitted to the TCEQ on 7/22/2020, but has not been approved. **EAPP ID 13001184**
 - A WPAP application is required for an associated project, but it has not been submitted.
 - There will be no building or structure associated with this project. In the event a building or structure is needed in the future, the required WPAP will be submitted to the TCEQ.
 - The proposed AST is located on the Transition Zone and a WPAP is not required. Information requested in 30 TAC 213.5 subsection (b) (4)(B) and (C) and (5) is provided with this application. (Forms TCEQ-0600 Permanent Stormwater Section and TCEQ-0602 Temporary Stormwater Section or Stormwater Pollution Prevention Plan/SW3P).
24. This facility is subject to the requirements for the reporting and cleanup of surface spills and overfills pursuant to 30 TAC 334 Subchapter D relating to Release Reporting and Corrective Action.
25. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
26. Any modification of this AST Facility Plan application will require executive director approval, prior to construction, and may require submission of a revised application, with appropriate fees.



LEGEND

- 900 — EXISTING MAJOR CONTOUR
- 100 — EXISTING MINOR CONTOUR
- - - - - PROJECT BOUNDARY
- — — — — STREAM CENTERLINE
- EXISTING IMPERVIOUS AREA
- ⊙ WATER WELL
- * S-22 SENSITIVE FEATURES
- SENSITIVE FEATURE ZONE



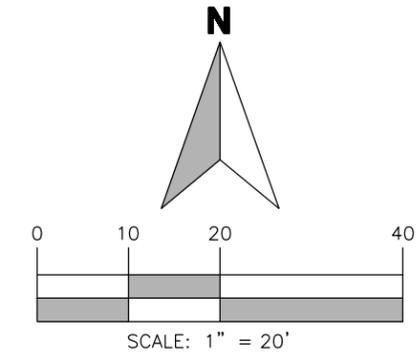
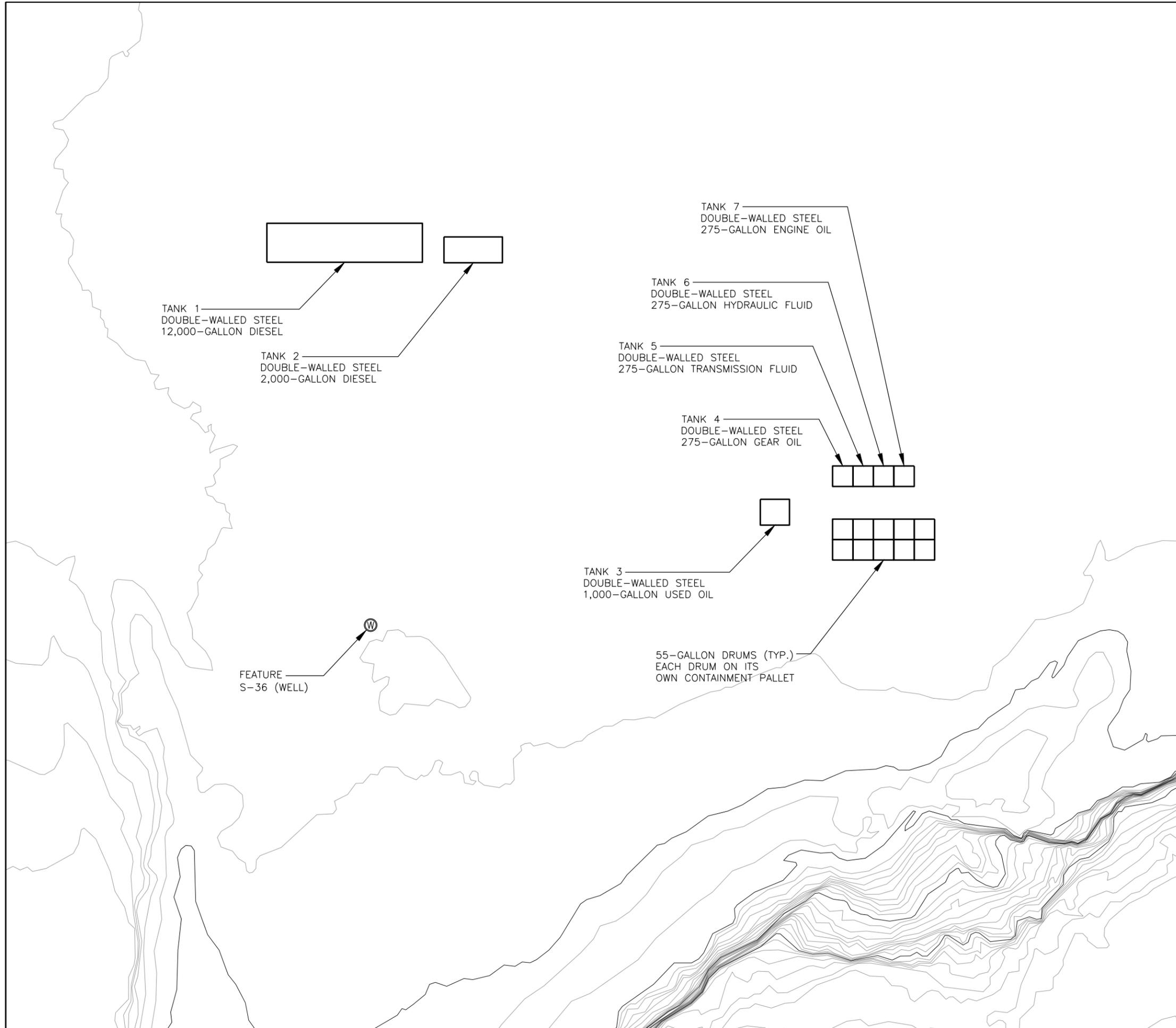
IMAGE:	N/A
ISSUE DATE:	08/13/2020
DRAWN BY:	AK
CHECKED BY:	CGC
SCALE:	1" = 400'
JOB NO.:	10953-008-004

SHEET NO.:
1
OF 2

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

REV.	DESCRIPTION	BY	DATE

AST SITE MAP
HONDO QUARRY
DALRYMPLE GRAVEL & CONTRACTING
HONDO, MEDINA COUNTY, TEXAS



LEGEND

Ⓜ WATER WELL



9/17/2020

AST TANK LOCATIONS

HONDO QUARRY
DALRYMPLE GRAVEL & CONTRACTING COMPANY, INC.
HONDO, MEDINA COUNTY, TEXAS

REV.	DESCRIPTION	BY	DATE

IMAGE:	N/A
ISSUE DATE:	08/17/2020
DRAWN BY:	AK
CHECKED BY:	CGC
SCALE:	1" = 20'
JOB NO.:	10953-008-004

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



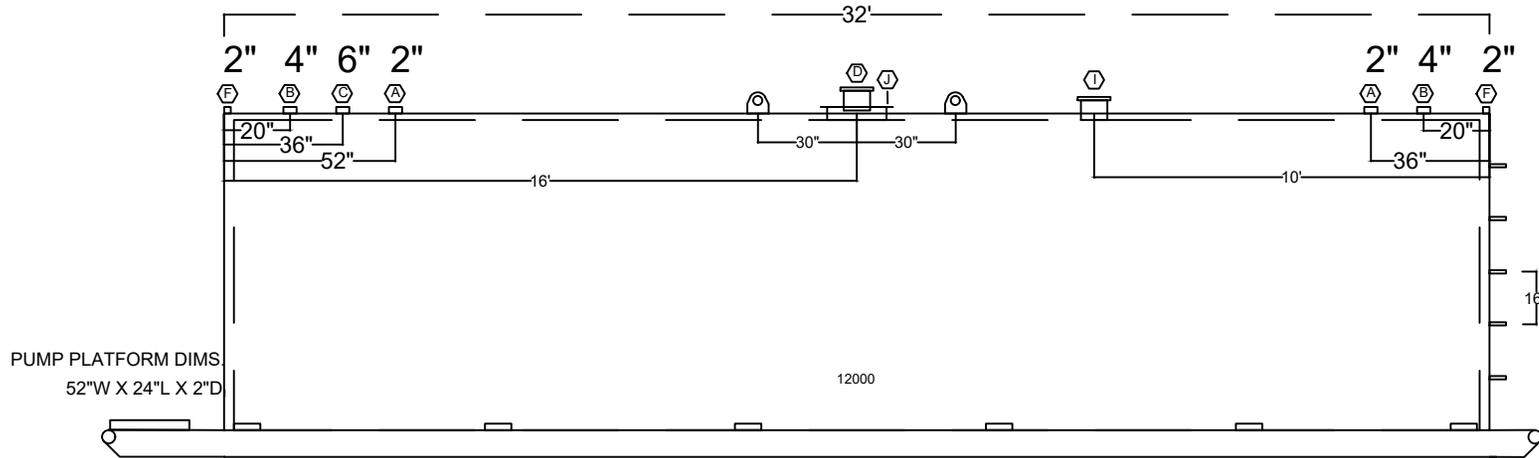
972-366-8684
Venus, Texas

Tank 1 specs

APPROVE DRAWING

SIGN: _____

DATE: _____



NOTES

PROJECT: 12000 UL 142 DW TANK

CUSTOMER DALRYMPLE

WEIGHT

- INTERNAL: BARE METAL
- EXTERNAL: BLAST AND PAINTED
- COLOR: WHITE

- EST WEIGHT 22000 LBS.

LABELS

- UL 142 & F921

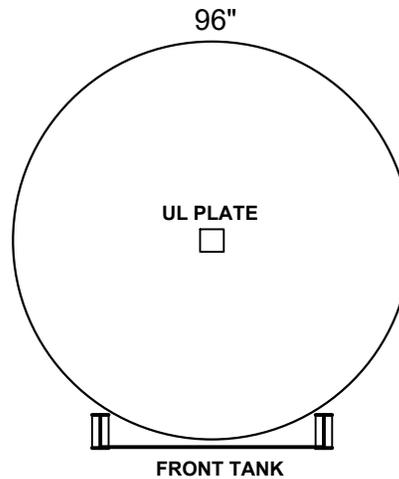
DATE

- FEB 4, 2019

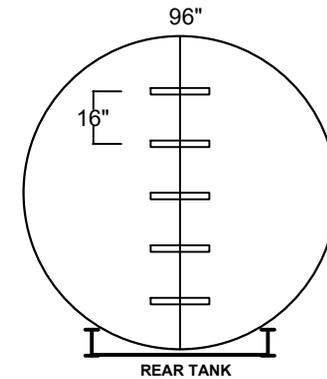
TEST

- INNER TANK: 5PSIG HYDROSTATIC
- OUTER TANK: HYDROSTATIC

(A)	COUPLING	2"	2" THREADED FITTING	PRIMARY
(B)	COUPLING	4"	4" THREADED FITTING	PRIMARY
(C)	COUPLING	6"	6" THREADED FITTING	PRIMARY
(D)	COUPLING	8"	8" EMERGENCY VENT	PRIMARY
(E)	COUPLING	LL	LIFTING LUG	PRIMARY
(F)	COUPLING	2"	2" THREADED FITTING	SECONDARY
(G)	COUPLING	4"	4" THREADED FITTING	SECONDARY
(H)	COUPLING	6"	6" THREADED FITTING	SECONDARY
(I)	COUPLING	8"	8" EMERGENCY VENT	SECONDARY
(J)	MANWAY	18"	18" PRIMARY MANWAY	PRIMARY

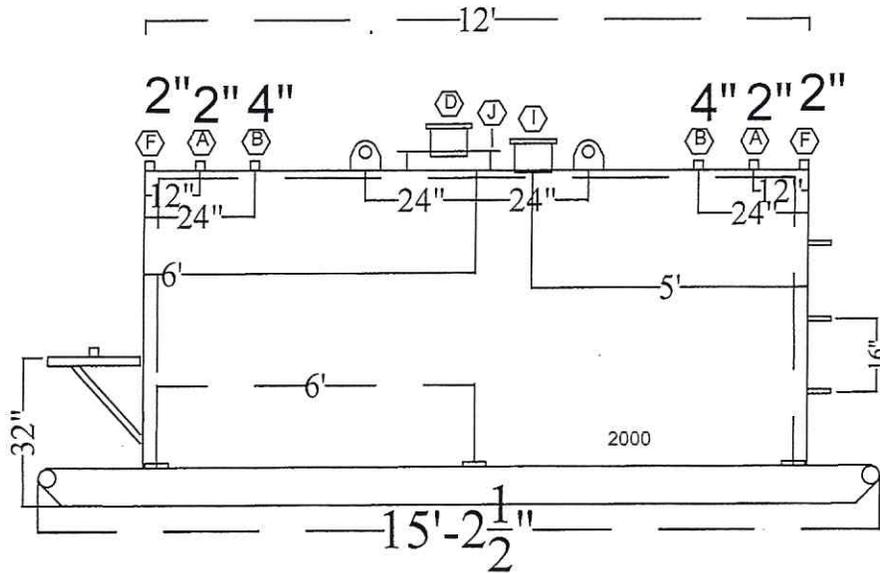


FRONT TANK

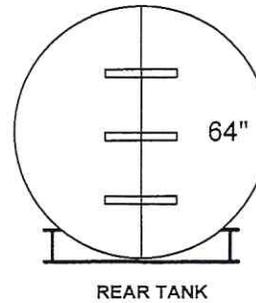
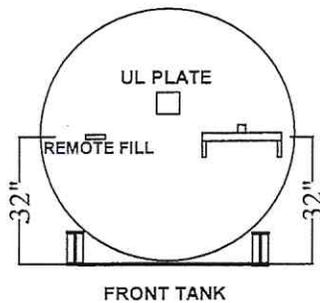


REAR TANK

Tank 2 specs



2000 GALLON UL 142 DOUBLE WALL TANK



NOTES

PAINT

- INTERNAL: BARE METAL
- EXTERNAL: BLAST AND PAINTED
- COLOR: WHITE

LABELS

- UL 142 & F921

WEIGHT

- EST WEIGHT 4,000 LBS.

DATE

- OCTOBER 4, 2018

TEST

- INNER TANK: 5PSIG HYDROSTATIC
- OUTER TANK: HYDROSTATIC

(A)	COUPLING	2"	2" THREADED FITTING	PRIMARY
(B)	COUPLING	4"	4" THREADED FITTING	PRIMARY
(C)	COUPLING	6"	6" THREADED FITTING	PRIMARY
(D)	COUPLING	6"	6"EMERGENCY VENT	PRIMARY
(E)	COUPLING	LL	LIFTING LUG	PRIMARY
(F)	COUPLING	2"	2" THREADED FITTING	SECONDARY
(G)	COUPLING	4"	4" THREADED FITTING	SECONDARY
(H)	COUPLING	6"	6" THREADED FITTING	SECONDARY
(I)	COUPLING	6"	6"EMERGENCY VENT	SECONDARY
(J)	MANWAY	18"	18" PRIMARY MANWAY	PRIMARY

2900 FM 157 VENUS, TEXAS



PHONE: 972.366.8684

2000 GALLON UL 142 DOUBLE WALL TANK

PROJECT:	2000 DW SKID UL 142
FILE NAME:	HUGHES TANK
DRAWN BY:	PH
REVISED BY:	
APPROVED BY:	VH
DATE:	10-04-18

Why compromise your investments? We don't compromise ours.

[Call 612-353-3333 to place order](#)

[Home](#) / [1000 Gallon Steel Waste Oil DW Tank \(Midwest Industrial Tanks\)](#)

DEF COMPATIBLE EQUIPMENT



1000 GALLON STEEL WASTE OIL TANK (MIDWEST INDUSTRIAL TANKS)

Description:

The Midwest Industrial Tanks Waste Oil Tank features a double-wall clamshell design that meets SPCC requirements, eliminating the need for a secondary containment tank. The tank is constructed with 12ga. carbon steel and contains the entire contents of the 10ga. carbon steel inner tank. (Please see quote)

Availability: In stock

[Be the first to review this product](#)

[Call to Purchase](#)

Product Details

Ratings and Reviews

Item Number: TAN4024

Manufacturer: Midwest Industrial Tanks

Specifications & Features:

- Dimensions: 96W x 58L x 66H
- Unique clamshell design features double-walled protection that doesn't require a secondary containment tank
- Rugged carbon steel construction
- Ports are provided on both inner and outer tanks for easy access
- Equipped with emergency vents, a built-in level gauge and leak gauge, 2in. suction tube with cap fitting, and locking fill box with integrated filter drain
- Protective powder-coat finish looks great and extends durability
- 1000gal. capacity
- Stationary design with integrated fork pockets
- Lockable design for security

- 2in. outlet port for fast flow
- UL 142 Listed
- 1 Year Limited Warranty

Shipping Weight: 2,200.0 lbs

BULK OIL TANK PACKAGES

For over 99 years, American Lubrication Equipment Corporation has provided the best solutions for dispensing lubricants. Our pre-assembled tank packages are the most cost-effective way to dispense bulk lubricant in today's marketplace. Tank packages eliminate the expense associated with lubrication equipment installations. With no installation labor or piping costs, you will save hundreds—if not thousands—of dollars.

Our tank packages provide the quickest way to get a new customer up and running. Place an order today and it will leave our factory usually within 48 hours on a truck bound for the location of your choice. When it arrives, simply remove the protective packaging, connect the air hose and fill with oil. It's the fastest way to get your new customer up and running.

COST EFFECTIVE

Tank packages eliminate the installation expense associated with equipment installations

SIMPLE

Remove the protective packaging, connect the air hose, fill with oil, and your customer is up and running

FAST DELIVERY

Large inventory enables most packages to ship within 48 hours

MORE CHOICES

American Lubrication offers the broadest selection of tank packages on the market

PROTECTIVE PACKAGING

Tank packages are covered with custom protective packaging to help protect them from shipping damage

ENAMEL PAINT

All tank packages come standard with an enamel painted finish

UL 142 AND N.F.P.A. 30

All tanks are built to UL 142 and also meet the N.F.P.A. 30 specifications

FRESH AND WASTE OIL PACKAGES

American Lubrication offers single and double-wall packages for fresh oil systems and waste oil systems



Most packages ship within 48 hours



Tanks built to UL 142 specifications



275AV-R23D



165DW-R23D



250-2-R23D



120BC-R23D



275A-R23D



275VDW-R23D

TANK PACKAGES

MAIN

APPLIES TO ALL PACKAGES

120B	120-Gallon Cube	275AV	275-Gallon Vertical Obround
120BCDW	120-Gallon Portable Cube (on casters)	275VDW	275-Gallon Vertical Obround Double-Wall
120BDW	120-Gallon Double-Wall Cube	C500	500-Gallon Cube
120BCW	120-Gallon Portable Double-Wall Cube	C500DW	500-Gallon Double-Wall Cube
165	165-Gallon Bench	500RV	500-Gallon Vertical Round
165DW	165-Gallon Double-Wall Bench	500RVDW	500-Gallon Vertical Double-Wall
250	250-Gallon Bench	525RND	525-Gallon Round Skid
250DW	250-Gallon Double-Wall Bench	525DW	525-Gallon Horizontal Double-Wall
275A	275-Gallon Horizontal Obround	525RDW*	525-Gallon Vertical Round Double-Wall
275DW	275-Gallon Horizontal Obround Double-Wall	525RND*	525-Gallon Round Vertical

* Not a typical in stock item, might have to be special ordered.

SUFFIX

PUMP, REEL & METER PACKAGES

	R13D	R13P	R23D	R23P
Pump	3:1 ARO	3:1 ARO	3:1 ARO	3:1 ARO
Oil Reel	1/2" x 25'	1/2" x 25'	1/2" x 50'	1/2" x 50'
Meter	Quart Digital Meter	Preset Digital Meter	Quart Digital Meter	Preset Digital Meter

	R15D	R15P	R25D	R25P
Pump	5:1 ARO	5:1 ARO	5:1 ARO	5:1 ARO
Oil Reel	1/2" x 25'	1/2" x 25'	1/2" x 50'	1/2" x 50'
Meter	Quart Digital Meter	Preset Digital Meter	Quart Digital Meter	Preset Digital Meter

TAPPER PUMP PACKAGES

	R33	R33D
Pump	3:1 ARO	3:1 ARO
Accessories	Tapper	Tapper
Meter	No	Digital Quart In-Line

WASTE OIL PACKAGES

	RWO	RWOA
Diaphragm Pump	1" ARO	1" ARO
Hose End	Non-Spill Coupler	Non-Spill Coupler
Overfill Alarm	No	TIM-370-3M

ORDERING INFORMATION

Main

Suffix

(Pick from charts above)

Example: To order a 275-gallon horizontal obround tank package with a 3:1 pump, 1/2" x 50' black Advantage Plus Series reel and digital meter you would go to the Main column and select "275A", and then go to the Suffix column and under "Pump, Reel & Meter Packages" select "R23D". The final model number would be "275A-R23D".

UL Bench

	Gallons	Length	Width	Height	Gauge
165B	170	33"	36"	37"	12
250B	249	60"	30"	36"	12

UL Bench (Double Wall)

165BDW	170	45"	35"	37"	12
250BDW	249	69"	32"	36"	12

UL Obround Tanks - Vertical & Horizontal

275H	268	60"	27"	47"	12
275V	268	44"	27"	62"	12

UL Obround Tanks - Vertical & Horizontal (Double Wall)

275HDW	268	61"	27"	47"	12
275VDW	265	45"	27-3/4"	62"	12

UL Cube

120B*	120	23"	34"	37.75"	12
120BC*	120	23"	34"	45"	12
120BDW*	120	34"	32"	40"	12
120BCDW*‡	120	34"	32"	40"	12
500C	498	61"	34"	64"	10
500CDW	499	72"	34"	64"	10

UL Round Tanks - Vertical

500RV	495	50"	50"	64"	12
500RVDW	490	50"	50"	64"	12

UL Round Tanks - Horizontal

525RH	525	46"	74"	46"	12
525RHDW	525	46"	74"	46"	12

All tanks on these sheets are painted with red enamel and are **U.L. 142**.

* 120-Gallon tanks are painted white.

‡ Tank is mounted on casters.

All dimensions shown reflect outside measurements including lips, reel brackets, and lifting lugs. These measurements may vary slightly.

All prices are FOB from shipping point, either Hunt Valley, MD or Anaheim, CA.

All tanks include a reel mount bracket.

Drawings available upon request.

Warranty: We are advised that each tank is tested by the manufacturer at the factory before shipment in accordance with applicable Underwriters Laboratories standards, NFPA 30, 30A, or 31, OSHA and Uniform Fire Code requirements. Damage may occur during shipment that is not apparent by visual inspection. National and state codes require testing at the job site by the installer BEFORE installation. Single-wall tanks should be pressurized to a maximum of 3 PSI while all welds are tested with a soap solution as stated in instructions on the tank. Double-wall tanks must be tested in accordance with Petroleum Equipment Institute recommended practice RP100 or RP200 or with the manufacturer's published procedures. Tanks must be installed in strict accordance with NFPA 30, NFPA 30A or NFPA 31.

We assume no responsibility for damages, consequential or otherwise, resulting from defects in tanks or for damage to tanks occurring during shipment or installation. Manufacturers of these tanks generally limit their responsibility to repair or replacement of the tank for defects in workmanship or material. Any manufacturer's warranties will be passed through to the purchaser.



Global Industrial™ 4 Drum Spill Containment Sump with Plastic Deck

Item #: T9A298442

Price: \$379.95

Save \$19.00 with 5% off† when you use your Global Industrial Credit Card.

Save 5%† Apply Now

NOTES: THIS PRODUCT, OR EQUAL, TO BE PURCHASED FOR EACH 55 GAL DRUM

CAPACITY TO BE REDUCED TO 1 DRUM ONLY PER CONTAINMENT PALLET TO MEET 150% REQUIREMENT

Customers Also Viewed



Eagle 1632 2 Drum Spill



Global Industrial™ 2



Global Industrial™ 4



Global Industrial™ Spill



Global Industrial™ 1

Global Industrial™ SPILL CONTAINMENT SUMP WITH PLASTIC DECK

Helps prevent costly, illegal contamination to the environment. Chemical resistant high-density black polyethylene 85 gallon capacity sump collects leaks and overflow for easy clean-up. Extra rigid sump holds four 55 gallon drums. 4000 lb. static load capacity. Nests for compact storage. Accepts standard 48" sq., or 40" x 48" pallet. **1 Year Limited Warranty.**

Polyethylene Decking is chemical resistant and easily removable for cleaning. Meets EPA secondary containment standards.

Note: Forklift Pockets are for transporting empty Sumps only with a Forklift (Sumps with No Drums or Fluids).

Note: Do Not Stack Containment Sumps on top of each other when in use with Drums.

Note: Not for use with IBC containers.

Product Specifications	
LENGTH INCHES	50-1/2
WIDTH INCHES	50-1/2
HEIGHT INCHES	15-7/8
CAPACITY	(4) 55 Gallon Drums
CAPACITY DRUM	4
CAPACITY GALLONS	85
CAPACITY LBS	4000
COLOR FINISH	Black
ASSEMBLY	Assembled
BRAND	Global Industrial™
CONSTRUCTION	Polyethylene
DESCRIPTION	Drum Platform with Deck
DRAIN	No

**Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry**

**AST Plan Application (TCEQ-0575)
Attachment A**

Alternative Methods of Secondary Containment

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

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

Spill and overflow control for the tanks will be provided by confirming available tank capacity prior to filling and observation during and at the conclusion of filling. Drain pans will be used to control drips and spills during filling and dispensing.

Piping is aboveground and single-walled. To provide secondary containment for piping, drain pans will be used during fueling for spill control.

**AST Plan Application (TCEQ-0575)
Attachment D**

Spill and Overflow Control

Personnel in charge of loading/unloading tanks will be trained to utilize proper techniques and preventive measures to avoid spills. The tank levels will be checked prior to loading/unloading and the operator will be present at all times during tank loading/unloading.

The site will be subject to the Environmental Protection Agency's requirements as specified in 40 CFR Part 112 regarding spills, prevention, control, and countermeasures (SPCC). The site will maintain an SPCC plan in accordance with applicable rules.

Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry

AST Plan Application (TCEQ-0575)
Attachment E

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 immediately.
- (2) Store hazardous materials and wastes in covered containers and protect from vandalism.
- (3) Place a stockpile of spill cleanup 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 clean up 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.

Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry

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

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

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

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

Cleanup

(1) Clean up leaks and spills immediately.

(2) Any spills from an AST facility must be removed from the controlled drainage area for disposal within 24 hours of the spill.

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

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

Minor Spills

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

(2) Use absorbent 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.

Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry

(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 immediately:

(1) Contain spread of the spill.

(2) Notify the project foreman as soon as possible.

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

(4) If the spill occurs in dirt areas, as soon as possible 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 as soon as possible. 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.

Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry

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 as soon as possible. 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 San Antonio Office	(210) 490-3096

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) Drain pans will be used to control spills from fueling.

Temporary Stormwater Section

Texas Commission on Environmental Quality

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

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

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

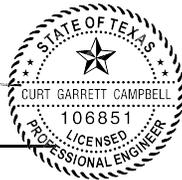
Signature

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

Print Name of Customer/Agent: Curt G. Campbell, PE
TX License No. 106851 | Firm No. 4524

Date: 9/17/2020

Signature of Customer/Agent/Engineer:

Regulated Entity Name: Hondo Quarry

Project Information

Potential Sources of Contamination

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

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

The following fuels and/or hazardous substances will be stored on the site: Diesel, Used Oil, Engine Oil, Transmission Oil, Hydraulic Oil, Gear Oil

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

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

Sequence of Construction

5. **Attachment C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.
 - For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given. **N/A**
 - 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. **N/A**
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: Verde Creek, Unnamed Tributary

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:

N/A

- 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. **N/A**
10. **Attachment G - Drainage Area Map.** A drainage area map supporting the following requirements is attached: **N/A**
- 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. **N/A**
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. **N/A**
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). **N/A**
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. **N/A**
16. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

17. **Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices.** A schedule of the interim and permanent soil stabilization practices for the site is attached. **N/A – Major grading is not expected**

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. **N/A**
19. Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased. **N/A**

Administrative Information

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

Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry
Temporary Stormwater Section (TCEQ-0602)
Attachment A

Spill Response Actions

Education

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

General Measures

- (1) To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110,117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately.
- (2) Store hazardous materials and wastes in covered containers and protect from vandalism.
- (3) Place a stockpile of spill cleanup materials where 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 clean up activities.
- (7) Do not bury or wash spills with water.

Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry

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

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

Cleanup

(1) Clean up leaks and spills immediately.

(2) Any spills from an AST facility must be removed from the controlled drainage area for disposal within 24 hours of the spill.

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

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

Minor Spills

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

(2) Use absorbent 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:

Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry

- (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 immediately:

- (1) Contain spread of the spill.
- (2) Notify the project foreman as soon as possible.
- (3) If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.
- (4) If the spill occurs in dirt areas, as soon as possible 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 as soon as possible. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.

Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry

(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.

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 as soon as possible. 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 San Antonio Office	(210) 490-3096

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) Drain pans will be used to control spills from fueling.

Portable Toilet BMPs:

Portable toilets will be used at this site and will be handled in accordance with the following guidelines:

- A licensed waste collector should service all the toilets. **The following tasks will be performed by the portable toilet supplier:**
 - Empty portable toilets before transporting them.
 - Securely fasten the toilets to the transport truck.
 - Use hand trucks, dollies, and power tailgates whenever possible.
 - Suppliers should carry bleach for disinfection in the event of a spill or leak.
 - Inspect the toilets frequently for leaks and have the units serviced and sanitized at time intervals that will maintain sanitary conditions of each toilet.
- Locate portable toilets at least 20 feet from the nearest storm-drain inlet or sensitive-feature filter strip 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.

**Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry**

DETAILED TELEPHONE SPILL REPORT FORM

Date of Incident: _____

Location of Incident: _____

Description of material spilled: _____

Quantity of material spilled: _____

Cause of spill: _____

Authorities notified: _____

Remediation/clean-up action: _____

Corrective measures taken for prevention of reoccurrence: _____

Signature: _____

Notes: _____

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

**Dalrymple Gravel & Contracting Company, Inc.
Hondo Quarry**

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

Potential Sources of Contamination

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

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

Sequence of Major Activities

The tanks are double-walled and will be brought onsite; fueling spills will be controlled by drainage pans. There will be no major activities which will disturb soils during the installation of these tanks, therefore temporary BMPs are not necessary.

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

The Temporary Stormwater attachments D, E, F, G, H, I, and J are not necessary for this project. Grading activities for this site are covered under the submitted WPAP Plan dated 7/20/2020 (EAPP ID 13001184) for this site.



TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission <i>(If other is checked please describe in space provided.)</i>		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization <i>(Core Data Form should be submitted with the program application.)</i>		
<input type="checkbox"/> Renewal <i>(Core Data Form should be submitted with the renewal form)</i>	<input type="checkbox"/> Other	
2. Customer Reference Number <i>(if issued)</i>	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number <i>(if issued)</i>
CN 605380526		RN 111070710

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name <i>(Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)</i>		<input type="checkbox"/> Change in Regulated Entity Ownership	
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name <i>(If an individual, print last name first: eg: Doe, John)</i>		<i>If new Customer, enter previous Customer below:</i>	
Dalrymple Gravel and Contracting Company Inc.			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number <i>(if applicable)</i>
0802246082	32057678404		
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role <i>(Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following:</i>			
<input type="checkbox"/> Owner		<input type="checkbox"/> Operator	
<input type="checkbox"/> Occupational Licensee		<input type="checkbox"/> Responsible Party	
<input checked="" type="checkbox"/> Owner & Operator		<input type="checkbox"/> Voluntary Cleanup Applicant	
		<input type="checkbox"/> Other: Landowner	
15. Mailing Address:	3490 FM 78		
	City	McQueeney	State TX ZIP 78123 ZIP + 4
16. Country Mailing Information <i>(if outside USA)</i>		17. E-Mail Address <i>(if applicable)</i>	
		hmdalrymple@dalgravel.com	
18. Telephone Number	19. Extension or Code	20. Fax Number <i>(if applicable)</i>	
(830) 557-5020		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information <i>(If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)</i>	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
<i>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.)</i>	
22. Regulated Entity Name <i>(Enter name of the site where the regulated action is taking place.)</i>	
Hondo Quarry	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	Hwy 173N						
	City	Hondo	State	TX	ZIP	78861	ZIP + 4
24. County	Medina						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	APPROXIMATELY 1.71 MILES NORTHWEST OF HWY 173 AND CR 342 INTERSECTION							
26. Nearest City	Hondo				State	TX	Nearest ZIP Code	78861
27. Latitude (N) In Decimal:	29.454976°			28. Longitude (W) In Decimal:	-99.131441°			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29	27	17.913	-99	7	53.187			
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? <i>(Do not repeat the SIC or NAICS description.)</i>								
Construction Materials Manufacturing								
34. Mailing Address:	3490 FM 78							
	City	McQueeney	State	TX	ZIP	78123	ZIP + 4	
35. E-Mail Address:								
36. Telephone Number		37. Extension or Code			38. Fax Number <i>(if applicable)</i>			
830-557-5020								

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

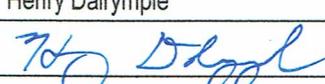
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source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

SECTION IV: Preparer Information

40. Name:	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:	Dalrymple Gravel and Contracting Company, Inc.	Job Title:	Vice President
Name <i>(In Print)</i> :	Henry Dalrymple	Phone:	607-739-0391
Signature:		Date:	7/17/2020

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Hondo Quarry

Regulated Entity Location: Hwy 173N, Hondo, TX 78861

Name of Customer: Dalrymple Gravel and Contracting Company, Inc.

Contact Person: Henry Dalrymple

Phone: 607-759-0015

Customer Reference Number (if issued): CN 605380526

Regulated Entity Reference Number (if issued): RN 111070710

Austin Regional Office (3373)

Hays

Travis

Williamson

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

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

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

12100 Park 35 Circle

Mail Code 214

Building A, 3rd Floor

P.O. Box 13088

Austin, TX 78753

Austin, TX 78711-3088

(512)239-0357

Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	7 Tanks	\$ 4,550
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

Signature: 

Date: 9/17/2020

Application Fee Schedule

Texas Commission on Environmental Quality

Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	Fee
Exception Request	\$500

Extension of Time Requests

Project	Fee
Extension of Time Request	\$150

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

I Henry Dalrymple,
Print Name

Vice President,
Title - Owner/President/Other

of Dalrymple Gravel & Contracting Company, Inc.,
Corporation/Partnership/Entity Name

have authorized Curt G. Campbell, PE, Gary D. Nicholls, PE, and Douglas S. Millsaps, 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:

Henry M. Dalrymple
Applicant's Signature

7/8/2020
Date

THE STATE OF New York §
County of Chemung §

BEFORE ME, the undersigned authority, on this day personally appeared Henry M. Dalrymple 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 8th day of July, 2020

Jeanne P. Buckbee
NOTARY PUBLIC

JEANNE P. BUCKBEE
Notary Public No. 01BU6003327
State of New York, Chemung County
Commission Expires March 16, 2022

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: _____