# ABOVE GROUND STORAGE TANK FACILITY PLAN

## PURLSONG PHASE 1
## SW OF FM 2722 AND STATE HWY 46
## COMAL COUNTY, TEXAS

*Prepared For:*

**SJWTX, INC.**
1399 Sattler Road
Canyon Lake, TX
(218) 726-4520

*Prepared By:*

**KIMLEY-HORN AND ASSOCIATES, INC.**
5301 Southwest Parkway, Building 2, Suite 100
Austin, Texas 78735
(512) 646-2237

Firm No. 928
KHA Project No. 069277526

**October 15, 2025**

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# SECTION 1: EDWARDS AQUIFER APPLICATION COVER PAGE

kimley-horn.com | 5301 Southwest Parkway, Building 2, Suite 100, Austin, TX 78735 | 512 646 2237

**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 if not withdrawn the application will be denied and 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 to you:

- You can withdraw your application, and your fees will be refunded or credited for a resubmittal.
- 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 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 effected 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:** Purlsong Phase 1 | | | | | | **2. Regulated Entity No.:** RN112110507 | | | |
| **3. Customer Name:** SJWTX, Inc. | | | | | | **4. Customer No.:** 602969396 | | | |
| **5. Project Type:** **(Please circle/check one)** | **New** | | Modification | | | Extension | | Exception | |
| **6. Plan Type:** **(Please circle/check one)** | WPAP | CZP | SCS | UST | **AST** | EXP | EXT | Technical Clarification | Optional Enhanced Measures |
| **7. Land Use:** **(Please circle/check one)** | Residential | | **Non-residential** | | | **8. Site (acres):** | | 1.84 | |
| **9. Application Fee:** | 650 | | **10. Permanent BMP(s):** | | | N/A | | | |
| **11. SCS (Linear Ft.):** | N/A | | **12. AST/UST (No. Tanks):** | | | 1 AST Tank | | | |
| **13. County:** | Comal | | **14. Watershed:** | | | Guadalupe River | | | |

## *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) | ___Edwards Aquifer Authority<br>___Barton Springs/ Edwards Aquifer<br>___Hays Trinity<br>___Plum Creek | __Barton Springs/ Edwards Aquifer | NA |
| City(ies) Jurisdiction | ___Austin<br>___Buda<br>___Dripping Springs<br>___Kyle<br>___Mountain City<br>___San Marcos<br>___Wimberley<br>___Woodcreek | ___Austin<br>___Bee Cave<br>___Pflugerville<br>___Rollingwood<br>___Round Rock<br>___Sunset Valley<br>___West Lake Hills | ____ Austin<br>____ Cedar Park<br>____ Florence<br>____ Georgetown<br>____ Jerrell<br>____ Leander<br>____ Liberty Hill<br>____ Pflugerville<br>____ 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) | ___ Edwards Aquifer Authority<br>___Trinity-Glen Rose | _X_Edwards Aquifer Authority | ___Kinney | ___EAA<br>___Medina | ___EAA<br>___Uvalde |
| City(ies) Jurisdiction | ___Castle Hills<br>___Fair Oaks Ranch<br>___Helotes<br>___Hill Country Village<br>___Hollywood Park<br>___San Antonio (SAWS)<br>___Shavano Park | ___Bulverde<br>___Fair Oaks Ranch<br>___Garden Ridge<br>___New Braunfels<br>___Schertz | NA | ___San Antonio ETJ (SAWS) | NA |

| |
|---|
| I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.<br><br>Rachel Tackett, P.E. |
| Print Name of Customer/Authorized Agent |
|  10/15/2025<br>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): | |

# SECTION 2:
# GENERAL INFORMATION

# 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: Rachel Tackett, P.E.

Date: October 15, 2025

Signature of Customer/Agent:

## *Project Information*

1. Regulated Entity Name: Purlsong Phase 1
2. County: Comal
3. Stream Basin: Guadalupe River
4. Groundwater Conservation District (If applicable): Edwards Aquifer Authority
5. Edwards Aquifer Zone:

   ☒ Recharge Zone
   ☐ Transition Zone

6. Plan Type:

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

7. Customer (Applicant):

   Contact Person: Aundrea Williams
   Entity: SJWTX, Inc.
   Mailing Address: 1399 Sattler Road
   City, State: Canyon Lake, TX Zip: 78132
   Telephone: (218) 726-4520 Fax: N/A
   Email Address: Aundrea.Williams@txwaterco.com

8. Agent/Representative (If any):

   Contact Person: Rachel Tackett, P.E.
   Entity: Kimley-Horn
   Mailing Address: 5301 Southwest Parkway, Building 2, Suite 100
   City, State: Austin, Texas Zip: 78735
   Telephone: 512-271-6330 Fax: N/A
   Email Address: Rachel.tackett@kimley-horn.com

9. Project Location:

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

    The project site is located within the Purlsong Phase 1 Subdivision, approximately 4,900 linear feet southwest of the intersection of FM 2722 and SH 46.

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: _____

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.

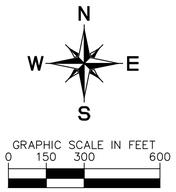
19. ☒ Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

☐ 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.

# *Attachment A*
# *Road Map*


Kimley»Horn

# PURLSONG WATER FACILITIES

## ROAD MAP

# *Attachment B*
# *USGS/Edwards Recharge Zone Map*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# NEW BRAUNFELS WEST QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)

Project Site

Edwards Aquifer Recharge Zone

Edwards Aquifer Transition Zone

NEW BRAUNFELS

Produced by the United States Geological Survey
Revised in cooperation with the Texas Water Development Board

Control by USGS, NOS/NOAA, and USCE

Compiled by the Army Map Service by photogrammetric methods from aerial photographs taken 1956. Field checked 1958
Revised from aerial photographs taken 1986. Field checked 1987
Map edited 1988

Projection and 10,000-foot grid ticks: Texas coordinate system, south central zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 14
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 20 meters south and 28 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence and field lines generally visible on aerial photographs. This information is unchecked

UTM GRID AND 1988 MAGNETIC NORTH DECLINATION AT CENTER OF MAP DIAGRAM IS APPROXIMATE

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

2998-413

ROAD CLASSIFICATION

Primary highway, hard surface
Light-duty road, hard or improved surface
Secondary highway, hard surface
Unimproved road
Interstate Route
U. S. Route
State Route

NEW BRAUNFELS WEST, TEX.
29098-F2-TF-024
1988
DMA 6343 II NW–SERIES V822

INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA—1988

Texas Commission on Environmental Quality
Edwards Aquifer Protection Program

## Regulatory Zones
### 30 TAC Chapter 213- Edwards Aquifer
### Effective March 1974

This map was produced by the Groundwater Planning and Assessment Team of the Texas Commission on Environmental Quality to detail the boundaries of the regulatory zones of the Edwards Aquifer Protection Program, as described in Texas Administrative Code Title 30, Part 1, §213.3. No other claims are made to the accuracy or completeness of the data or to its suitability for a particular use. For more information about the Edwards Aquifer Protection Program, please contact the TCEQ Regional Offices in San Antonio or Austin. Printed June 2006.

# *Attachment C*
# *Project Description*

# Project Description

## Current Tract Conditions

### *Site History*

The subject site is approximately 1.84 acres that is subdivided out of the 221.734-acre Gotlieb Arnold survey.

The site is located within the Edwards Aquifer Recharge Zone in Comal County and has been released from the Extraterritorial Jurisdiction of the City of New Braunfels.

### *Land Use*

The lots consist of 1.84 acres of undeveloped cleared land.

### *Existing Drainage Conditions*

Under existing conditions, the 1.84 acre subject site generally drains to the southwest of the property that flows into the adjacent 100-yr FEMA floodplain 48091C0430F.

## Proposed Development

The proposed project includes the construction of one generator. All impervious cover for additional site improvements was included within the Purlsong Phase 1 WPAP (Edwards Aquifer Protection Program ID: 13002046, Regulated Entity No. RN112110507).

# SECTION 3: GEOLOGIC ASSESSMENT

# 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: John Langan  Telephone: 210/342-9377

Date: 03/21/24  Fax: 210/342-9401

Representing: PSI TBPG No. 50128 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

**Regulated Entity Name:** Chesmar Homes Tract

## *Project Information*

1. Date(s) Geologic Assessment was performed: 03/07-19/24
2. Type of Project:
   - ☒ WPAP
   - ☐ SCS
   - ☐ AST
   - ☐ UST
3. Location of Project:
   - ☒ Recharge Zone
   - ☐ Transition Zone
   - ☐ Contributing Zone within the Transition Zone

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

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

**Table 1 - Soil Units, Infiltration Characteristics and Thickness**

| Soil Name | Group* | Thickness(feet) |
|---|---|---|
| Comfort-Rock outcrop complex, undulating | A | 1-2 |
| Medlin-Eckrant association, undulating | B | 1-2 |
| Real gravelly loam, 1 to 8 percent slopes | B | 1-2 |
| Rumple-Comfort association, undulating (RUD) | B | 1-2 |
| Purves Clay 1-4% slopes | B | 1-2 |

** Soil Group Definitions (Abbreviated)*

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

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

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

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

   Applicant's Site Plan Scale: 1" = 400'
   Site Geologic Map Scale: 1" = 400'

Site Soils Map Scale (if more than 1 soil type): 1" = 1,458'

9. Method of collecting positional data:

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

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

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

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

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

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

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

    ☐ There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
    ☐ The wells are not in use and have been properly abandoned.
    ☐ The wells are not in use and will be properly abandoned.
    ☐ The wells are in use and comply with 16 TAC Chapter 76.
    ☒ There are no wells or test holes of any kind known to exist on the project site.

## *Administrative Information*

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

Kimley»Horn

# *Attachment A*
# *Geologic Assessment*

# GEOLOGIC ASSESSMENT

For

**CHESMAR HOMES TRACT**
**HIGHWAY 46**
**NEW BRAUNFELS, COMAL COUNTY, TEXAS**

Prepared for
**CHESMAR HOMES**
**211 NORTH LOOP 1604 EAST, SUITE 179**
**SAN ANTONIO, TX 78232**

Prepared by

**Professional Service Industries, Inc.**
**3 Burwood Lane**
**San Antonio, Texas 78216**
**Telephone (210) 342-9377**

**PSI PROJECT NO.: 0435-6189**

**March 21, 2024**

Professional Service Industries, Inc.
3 Burwood Lane, San Antonio, TX 78216
Phone: (210) 342-9377
Fax: (210) 342-9401

March 21, 2024

Chesmar Homes
211 North Loop 1604 East, Suite 179
San Antonio, Texas 78232

Attn: Mr. Carson Trainer
carson.trainer@chesmar.com

RE: Geologic Assessment
Chesmar Homes Tract
State Highway 46, W of F.M. 2722
New Braunfels, Comal County Texas
PSI Project No. 435-6189

Dear Mr. Trainer:

Professional Service Industries, Inc. (PSI) has completed a geologic recharge assessment for the above referenced project in compliance with the Texas Commission on Environmental Quality (TCEQ) requirements for regulated developments located on the Edwards Aquifer Recharge Zone (EARZ). The purpose of this report is to describe surficial geologic units and identify the locations and extent of significant recharge features present in the development area.

**AUTHORIZATION**

Authorization to perform this assessment was given via a signed copy of PSI Proposal No. 419395 on February 27, 2024.

**PROJECT DESCRIPTION**

The property consists of an approximate 438-acre tract of land located on the south side of Highway 46 in New Braunfels, Comal County, Texas. The entrance to the site is approximately 0.88 miles west of the intersection of Highway 46 and F.M. 2722. The subject property is located on the Edwards Aquifer Recharge Zone (EARZ), and therefore subject to special rules promulgated by the Texas Commission on Environmental Quality (TCEQ) designed to protect environmentally sensitive areas. The site is currently cultivated agricultural land. The tract is predominantly undeveloped, but a residence and outbuildings are located in the south-central portion of the tract. Vegetation observed included live oak, ashe-juniper, cedar elm, persimmon, mountain laurel, agarita, prickly pear, sotol and other species common to the Edwards/Balcones Fault Zone region. Significant clearing of vegetation took place between 2012 and 2018, with numerous closed depressions from ashe-juniper removal.

**REGIONAL GEOLOGY**

**Physiography**

From northwest to southeast, the three physiographic provinces in Comal County are: the Edwards Plateau, the Blackland Prairie, and the West Gulf Coastal Plain. The Edwards Plateau terrain is rugged and hilly, with elevations ranging from 1,100 feet to 1,900 feet above sea level. This area is underlain

by beds of limestone that dip gently to the southeast. South of the Edwards Plateau is the Balcones Fault Zone, which is also the northernmost limit of the Blackland Prairie. The Balcones Fault Zone extends northeast-southwest across Comal County and is composed of fault blocks of limestone, chalk, shale, and marl. The undulating, hilly topography of the Blackland Prairie ranges in elevation from about 700 feet to 1,100 feet above sea level. The faults are predominantly normal, down-to-the Gulf Coast, with near vertical throws. The West Gulf Coastal Plain lies southeast of the Blackland Prairie and is composed of relatively flat-lying beds of marl, clay, and sandy clay According to topographic maps, elevations at the subject site range from approximately 1,072 feet above sea level on the southwest side of the tract, to about 930 feet MSL on the south corner of the square portion of the tract.

**Stratigraphy and Structure**

According to available information from the U.S. Geologic Survey and the University of Texas Bureau of Economic Geology as well as the site reconnaissance, the underlying stratigraphy consists of the Lower Cretaceous Person and Kainer Formations of the Edwards Group in the northern areas of the site while the remainder of the site is underlain by the Upper Cretaceous Austin Chalk, Eagle Ford Shale, and Buda Limestone. A series of northeast trending faults are mapped across the middle portions of the site. The faults are downthrown to the southeast with the Upper Cretaceous Formations being present in distinct fault blocks. Bedrock outcrops at the site are relatively sparse with most being associated with the Person and Kainer areas along with a few Buda and Austin Chalk bedrock exposures. Limestone boulder float was common in the Person and Kainer areas.

Rocks on the northern portion of the site are members of the Lower Cretaceous Edwards Person Formation. According to "The Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Outcrop, Comal County Texas" written by the USGS, the Person Formation ranges between 180 and 224 feet thick and forms the upper member of the Edwards Group, above the Kainer Formation which compromises the Edwards Aquifer, a federally designated sole source aquifer for the region.

According to the "Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas" published by the USGS in 2005, the rocks at the site are the Cyclic and Marine and Leached and Collapsed members of the Person Formation. The Cyclic and Marine member includes chert-bearing mudstone to packstone, miliolid (foraminifera fossil) grainstones, with scattered toucasia (fossil bivalve). The Leached and Collapsed member is a crystalline limestone, ranging from mudstone to grainstone with chert and collapse breccia. It has bioturbated iron-stained beds with very high permeability and cavern development. The Grainstone Member of the Kainer formation occurs in the southwestern portion of the "square" tract. This chert-bearing limestone is a mudstone to wackestone to miliolid (foraminifer microfossil) grainstone. Cavern development is rare to non-existent, and has low permeability due to recrystallization. The thickness of this member is 50-60'.

**SITE INVESTIGATION**

The site investigation was performed by systematically traversing the subject tract, and mapping fractured or vuggy rock outcrops, closed depressions, sinkholes, caves, or indications of fault/fracture zones. The purpose of the site investigation was to delineate features with recharge potential that may warrant special protection or consideration. The results of the site investigation are included in the attached TCEQ report format.

Feature S-1 and S-2 were fractured rock outcrops on the east side of the site but were not considered sensitive due to a lack of significant interconnection potential with the subsurface. Features S-3 and S-16 were man made water well features located on the south-central and east sides of the tract, respectively. Features S-4 and S-7 were fractured rock outcrop features on uplands, but did not rate as sensitive features. Feature S-5 is a sinkhole in a drainage in the southwestern portion of the "square" part of the site. This feature's location in a drainage, in proximity to a mapped fault, combine to elevate the sensitivity rating. Features S-6, S-18, S-19 and S-20 are the aforementioned mapped faults traversing the site. Thick soil cover precluded obvious indication of the faults in the field, and based on the geologic maps reviewed, the vertical throws of the fault were limited. Feature S-8 is a man-made pond/stock tank in the south-central portion of the site, does not rate as sensitive due to impedance of the vertical flow potential. Feature S-9 is a septic tank associated with the residence in the south-central portion of the site. By design, there is a vertical flow potential, and thus this feature rates as sensitive, but does not warrant protective buffers if the feature will be properly removed and decommissioned as part of site development. Feature S-10 is a cave in the north-central portion of the "square" tract. A rock appears to have been placed over the feature to restrict access, but significant air flow was noted coming out of the cave, suggesting a large feature, and thus rated sensitive. Feature S-11 is a fractured rock outcrop in the southwest flowing drainage on the south side of the "square" tract. Feature S-12 is a small solution cavity on uplands associated with a tributary drainage in the south-central portion of the "square" tract. The limited vertical extent resulted in a non-sensitive designation. Features S-13, S-14 and S-15 were closed depressions that while notable, were all soil filled and likely related to vegetation clearing activities, and not considered sensitive.

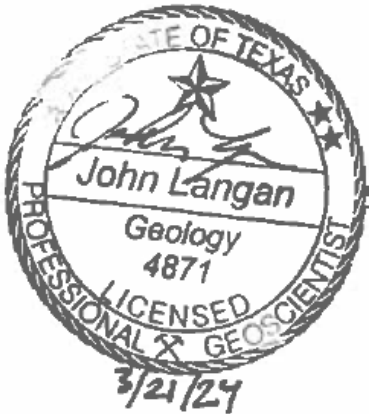
**SUMMARY**

Three sensitive features were noted on the subject tract, a sinkhole feature in a drainage (S-5), a cave feature S-10, and a man-made septic system feature S-9. Please note that subtle features, buried or obscured from view, may be present on the tract. It is possible that clearing/construction activities will reveal the presence of features currently hidden by thick vegetation and/or soil cover. If caves, sinkholes, or solution cavities are encountered during future clearing/construction activities, please contact our office for additional assistance.

We appreciate this opportunity to be of service to you. If you have any questions, please do not hesitate to contact our office.

Respectfully submitted,
**PROFESSIONAL SERVICE INDUSTRIES, INC.**

John Langan, P.G.
Environmental Department Manager



## WARRANTY

The field observations and research reported herein are considered enough in detail and scope to form a reasonable basis for a general geological recharge assessment of this site. PSI warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted geologic methods, only for the site described in this report. These methods have been developed to provide the client with information regarding apparent indications of existing or potential conditions relating to the subject site and are necessarily limited to the conditions observed at the time of the site visit and research. This report is also limited to the information available at the time it was prepared. In the event additional information is provided to PSI following the report, it will be forwarded to the client in the form received for evaluation by the client. There is a possibility that conditions may exist which could not be identified within the scope of the assessment, or which were not apparent during the site visit. PSI believes that the information obtained from others during the review of public information is reliable; however, PSI cannot warrant or guarantee that the information provided by others is complete or accurate.

This report has been prepared for the exclusive use of Chesmar Homes, Inc. for the site discussed herein. Reproductions of this report cannot be made without the expressed approval of Chesmar Homes. The general terms and conditions under which this assessment was prepared apply solely to Chesmar Homes. No other warranties are implied or expressed.

# *Attachment B*
# *Stratigraphic Column*

**STRATIGRAPHIC COLUMN**
**Chesmar Homes Tract**
**Highway 46**
**New Braunfels, Texas**

| FORMATION | THICKNESS | LITHOLOGIC DESCRIPTION |
|---|---|---|
| Austin Chalk | 325-420 | Chalk and marl, microgranular calcite with foraminifera microfossils and calcareous nannoplankton; forms ledges, gray to white in color, alternates with marl and bentonitic seams, with pyrite nodules and abundant marine fossils including pelecypods and ammonites |
| Eagle Ford Group | 25-45 | Shale and limestone, with silty shale in the upper part, the middle part consists of a silty limestone grading into a calcareous siltstone, flaggy, medium gray, weathering to a pale yellowish brown. |
| Buda Limestone | 45 | Fine-grained, massive, poorly bedded to nodular, bioclastic, commonly glauconitic, pyritiferous, weathers to a dark gray to brown, with abundant pelecypods |
| Del Rio Clay | 40-50 | Calcareous and gypsiferous, with pyrite common, with a blocky structure that weathers to light gray or yellowish gray. The characteristic marine megafossil, *Ilmatogyra arietina* (formerly *exogyra arietina*) is widespread throughout the formation. |
| Georgetown Formation | 10-40’ | Light tan limestone identified by proximity to Del Rio clay and diagnostic marker fossil: *waconella wacoensis* brachiopod; low porosity and permeability development. |
| Person Formation | 180-224’ | Limestones and dolomites, extensive porosity development in “honeycomb sections, interbedded with massive, recrystallized limestones with more limited permeabilities (especially Regional Dense Member separating the Person and Kainer Formations. |
| Kainer Formation | 260-310’ | Hard, miliolid limestones, overlying calcified dolomites and dolomite. Leached evaporitic “Kirschberg” zone of very porous and permeable collapse breccia formed by the dissolution of gypsum. Overlies the basal nodular (Walnut) bed. |
| Glen Rose Limestone (upper) | 200-400 | limestone, dolomite, and marl as alternation resistant and recessive beds forming stairstep topography; limestone, aphanitic to fine grained, hard to soft and marly, light gray to yellowish gray; dolomite, fine grained, porous, yellowish brown; marine megafossils include molluscan steinkerns, rudistids, oysters, and echinoids. Upper part, Kgru, relatively thinner bedded, more dolomitic, and less fossiliferous; |

Kimley»Horn

# *Attachment C*

# *Site Geology*

## SOILS NARRATIVE

According to the Soil Survey of Comal County, published by the United States Department of Agriculture, Soil Conservation Service, in cooperation with the Texas Agricultural Extension Service, reissued in 1984, the soils beneath the subject property have been classified as Comfort-Rock outcrop complex (CrD), Medlin-Eckrant association, undulating (MEC), Real gravelly loam, 1-8% slopes (RaD) and Rumple-Comfort association, undulating (RUD).

Comfort-Rock outcrop complex, undulating (CrD) – shallow, well drained, moderate permeability, very low available water capacity, moderate hazard of water erosion, chalk fragments.

Medlin-Eckrant association, undulating (MEC) – very shallow, calcareous, moderately alkaline, well drained, rapid surface runoff, moderately to very slow permeability, very low to high water holding capacity, slight to severe hazard of water erosion, overlies limestone.

Real gravelly loam, 1 to 8 percent slopes (RaD) – shallow, well drained, rapid surface runoff, extremely stony, moderate permeability, very low available water capacity, slight hazard of water erosion, overlies platy chalk.

Rumple-Comfort association soils are shallow to moderately deep soils on uplands in the Edwards Plateau. The surface layer is a dark reddish-brown cherty clay loam about 10 inches thick and overlies a subsoil of reddish-brown cherty clay with abundant limestone fragments to a depth of 28 inches. The underlying parent material is an indurated limestone. The soil is well drained, with medium surface runoff, moderately slow permeability, and very low available water capacity. The soil is not suited for cropland, or cultivation, but is used as range land and habitat for wildlife.

# SITE GEOLOGIC NARRATIVE

## Physiography

From northwest to southeast, the three physiographic provinces in Comal County are: the Edwards Plateau, the Blackland Prairie, and the West Gulf Coastal Plain. The Edwards Plateau terrain is rugged and hilly, with elevations ranging from 1,100 feet to 1,900 feet above sea level. This area is underlain by beds of limestone that dip gently to the southeast. South of the Edwards Plateau is the Balcones Fault Zone, which is also the northernmost limit of the Blackland Prairie. The Balcones Fault Zone extends northeast-southwest across Comal County and is composed of fault blocks of limestone, chalk, shale, and marl. The undulating, hilly topography of the Blackland Prairie ranges in elevation from about 700 feet to 1,100 feet above sea level. The faults are predominantly normal, down-to-the Gulf Coast, with near vertical throws. The West Gulf Coastal Plain lies southeast of the Blackland Prairie and is composed of relatively flat-lying beds of marl, clay, and sandy clay According to topographic maps, elevations at the subject site range from approximately 1,072 feet above sea level on the southwest side of the tract, to about 930 feet MSL on the south corner of the square portion of the tract.

## Stratigraphy and Structure

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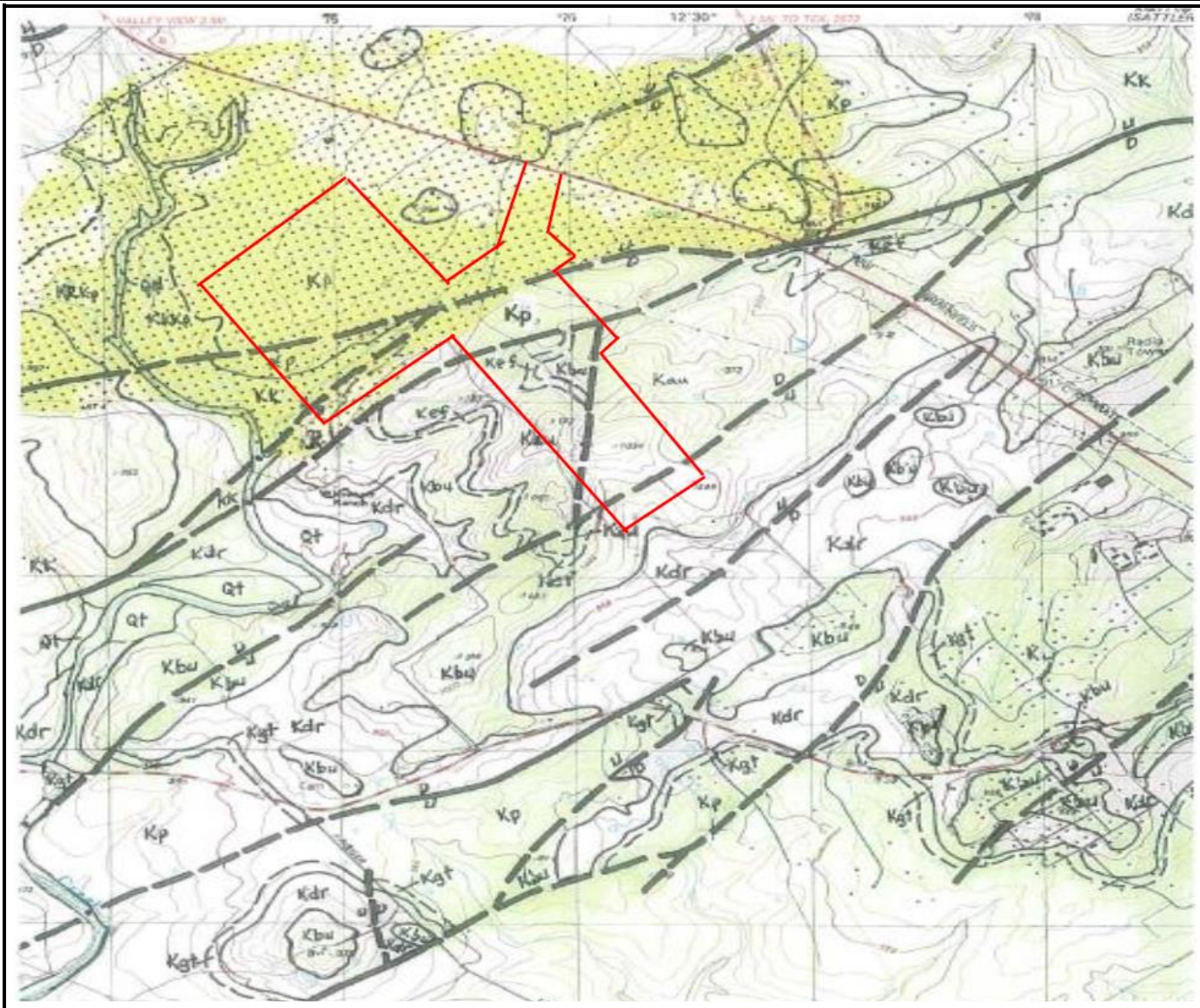
Kimley»Horn

# *Attachment D*
# *Site Geologic Map(s)*




PSI, Inc.
3 Burwood Lane
San Antonio, Texas 78216

**PROJECT NAME:**
Chesmar Homes Tract
Highway 46
New Braunfels, Texas
PROJECT NO.:435-6189

STATE OF TEXAS
John Langan
Geology
4871
LICENSED
PROFESSIONAL TX GEOSCIENTIST
5/21/24

**Geologic Map**

From USGS "Geologic Map of the New Braunfels West Quadrangle, Texas (Bureau of Economic Geology-Collins, 1993), modified from King (1957) and Abbott (1973)

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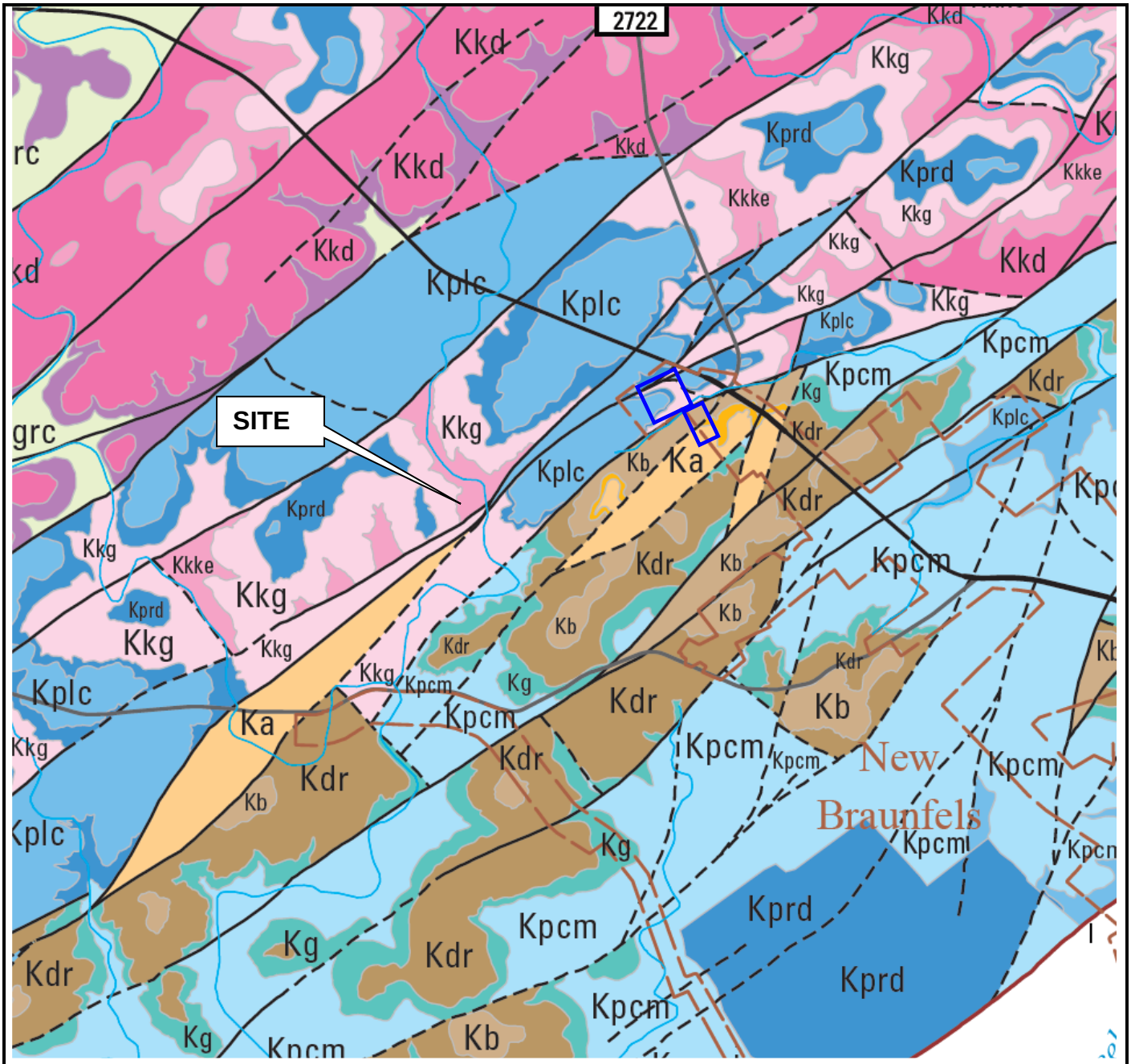


intertek psi

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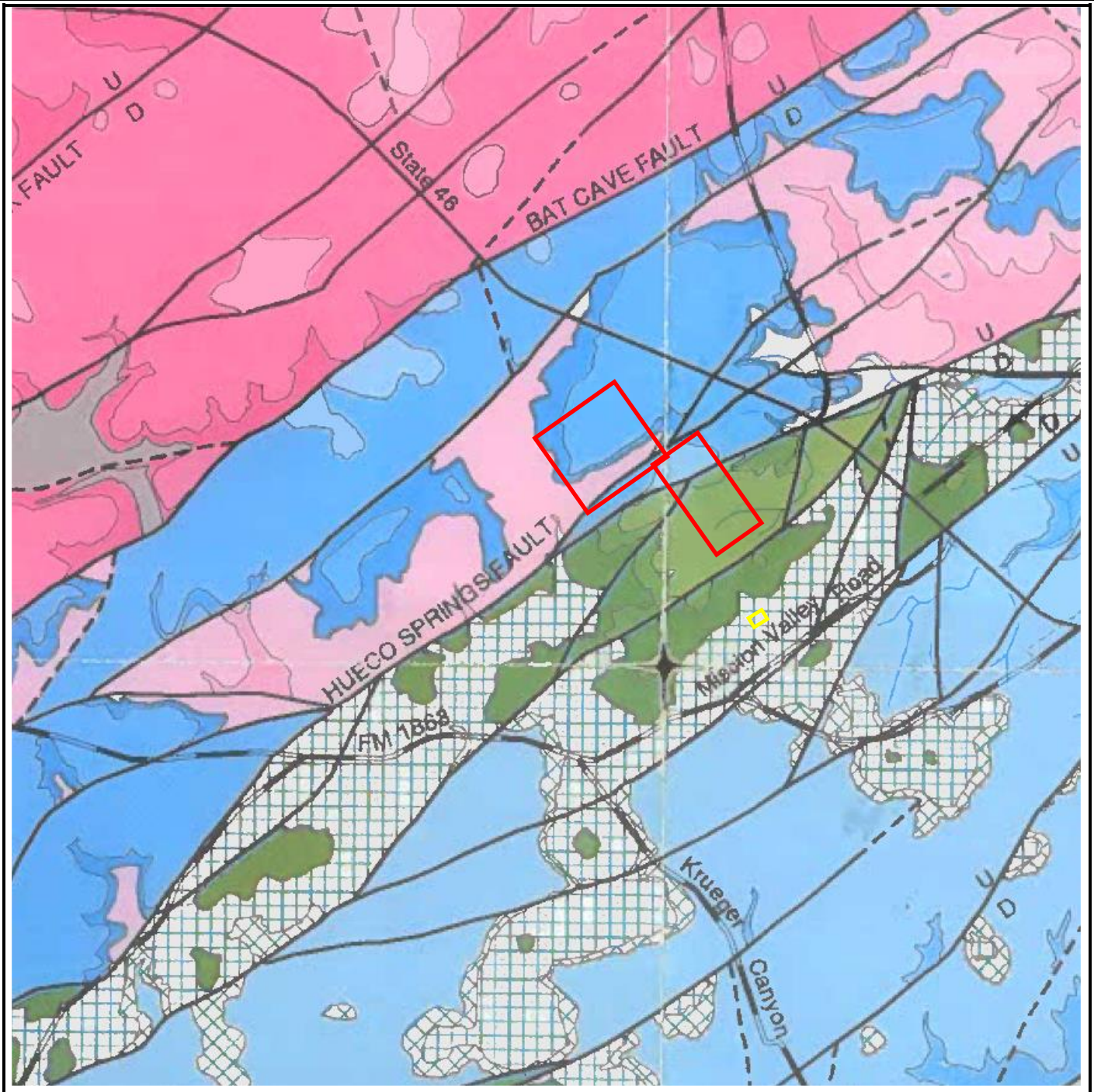
**Geologic Map**

From USGS "Geologic Framework and Hydrostratigraphy of the Edwards & Trinity Aquifers Within Northern Bexar & Comal Counties, Scientific Investigations Map 3366 Texas"(Clark, Golab and Morris, 2016)

N

## EXPLANATION OF HYDROSTRATIGRAPHIC UNITS

| Group or Formation | Formal and informal member | | Hydrologic unit or Informal hydrostratigraphic unit |
|---|---|---|---|
| Taylor Group (Pecan Gap) | | Kpg | Upper Confining Unit (UCU) |
| Austin Group | | Ka | |
| Eagle Ford Group | | Kef | |
| Buda Limestone | | Kb | |
| Del Rio Clay | | Kdr | |
| Georgetown Formation | | Kg | I |
| Person Formation | Cyclic and marine, undivided | Kpcm | II |
| | Leached and collapsed | Kplc | III |
| | Regional dense member | Kprd | IV |
| Kainer Formation | Grainstone | Kkg | V |
| | Kirschberg evaporite | Kkke | VI |
| | Dolomitic | Kkd | VII |
| | Basal nodular | Kkbn | VIII |
| Glen Rose Limestone | Upper Glen Rose Limestone | Kgrc | Cavernous |
| | | Kgrcb | Camp Bullis |
| | | Kgrue | Upper evaporite |
| | | Kgruf | Fossiliferous Upper |
| | | Kgrlf | Lower |
| | | Kgrle | Lower evaporite |

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3/21/24

**Geologic Map**

From USGS "Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas"

(Blome, Faith, Pedraza, et al, 2005)

N

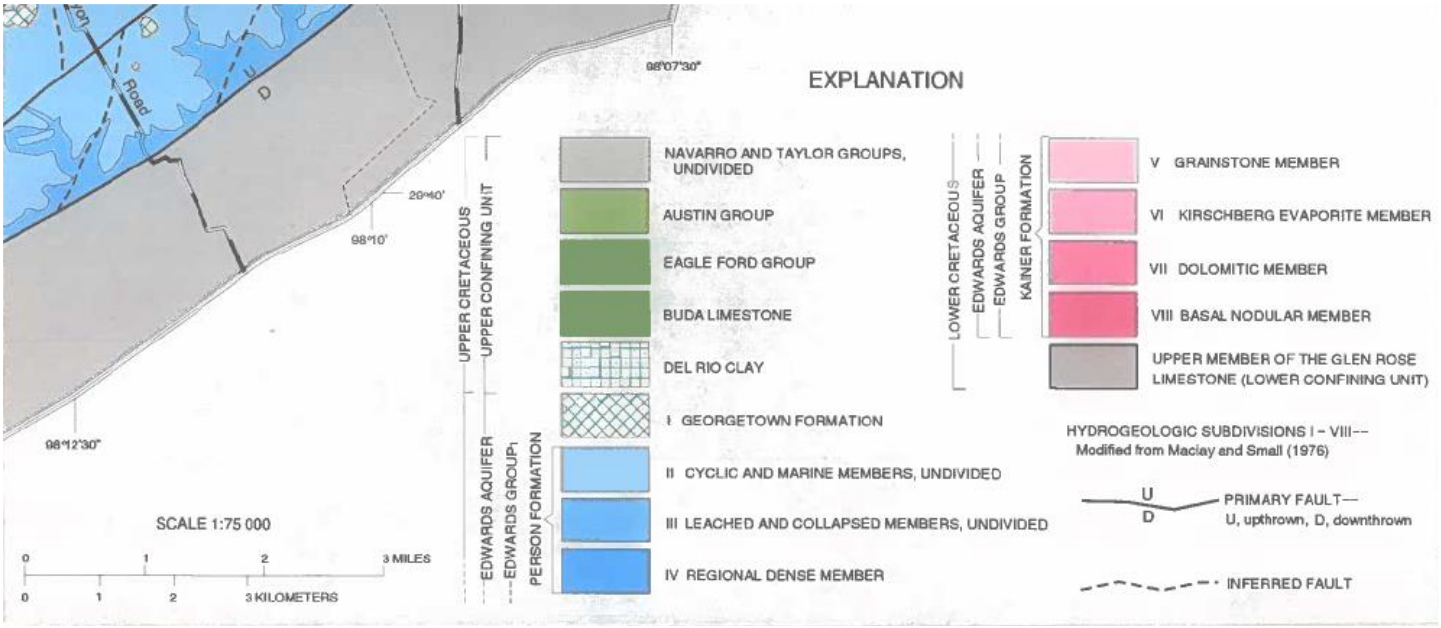
# Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers Within Northern Bexar and Comal Counties, Texas

By

Allan K. Clark, James G. Golab, and Robert R. Morris

2016

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Edwards | Person | Cyclic and marine, undivided | Pelletal limestone, mudstone, miliolid grainstone, packstone, chert (bedded and large nodules); caprinids, crossbedded | Kpcm | Edwards aquifer | II | 80–90 | Aquifer | MO, BU, VUG, BP, FR, CV | Thin graded cycles; massive beds to relatively thin beds; crossbeds, caprinids |
| | | Leached and collapsed, undivided | Recrystallized limestone, mudstone, wackestone, packstone, grainstone; chert (bedded and large nodules); iron stained, stromatolitic, *Toucasia* sp., *Montastrea roemeriana*, oysters | Kplc | | III | 70–90 | Aquifer | BU, VUG, FR, BP, BR, CV | Bioturbated iron-stained beds separated by massive limestone beds; stromatolitic limestone, *Montastrea roemeriana* |
| | | Regional dense | Dense, shaly, mudstone, wackestone, oyster-shell mudstone and wackestone, iron staining, chert | Kprd | | IV | 20–24 | Confining | FR, CV | Wispy iron-oxide stains, thin bedded, often white in aerial photographs |
| | Kainer | Grainstone | Miliolid, skeletal fragmented grainstone, mudstone, wackestone; chert (beds and nodules); crossbedded and ripple marked | Kkg | | V | 40–50 | Aquifer | IP, IG, BU, FR, BP, CV | Crossbedded, ripple marks, miliolid grainstone |
| | | Kirschberg Evaporite | Highly altered crystalline limestone, chalky mudstone, occasional grainstone associated with tidal channels; chert (beds and nodules), coarse grained spar, breccia, travertine | Kkke | | VI | 40–50 | Aquifer | IG, MO, VUG, FR, BR, CV | Boxwork porosity with neospar and travertine frame |
| | | Dolomitc | Chert (absent in lower 20 ft), dolomitic mudstone, wackestone, packstone, grainstone | Kkd | | VII | 90–120 | Aquifer | IP, IC, IG, MO, BU, VUG, FR, BP, CV | Massively bedded light gray, *Toucasia* sp., abundant |
| | | Basal nodular | Shaly, nodular, burrowed mudstone, wackestone, packstone, miliolid grainstone, dolomite, contains dark, spherical textural features locally known as BRBs; *Ceratostreon texana*, *Caprina* sp., miliolids, and gastropods | Kkbn | | VIII | 40–50 | Aquifer, confining unit in areas without caves | IP, MO, BU, BP, FR, CV | Massive, nodular and mottled limestone, BRBs and orange wisps, *Ceratostreon* [*Exogyra*] *texana*, seeps and springs, ferns growing near contact of underlying unit |
| | | Upper | Evaporites, wackestone, packstone, miliolid grainstone, argillaceous limestone, heavily bioturbated; occasional dinosaur tracks | Kgrc | of the Trinity aquifer | Cavernous | 0–120 (absent in northern Comal County) | Aquifer | MO, BR, BP, FR, CV | Heavily bioturbated, evaporite beds, caves |
| | | | Alternating beds of burrowed wackestone, packstone, miliolid grainstone, argillaceous limestone | Kgrcb | | Camp Bullis (B) | 120–230 (thicker in northern Comal County) | Confining | BU, BP, FR, occasional CV | Alternating beds of limestone and argillaceous limestone, fossils rare, stairstep topography |
| | | | Dissolved evaporites, highly altered crystalline limestone and chalky mudstone, breccia, boxwork voids | Kgrue | | Upper evaporite (C) | 0–10 | Aquifer | IP, MO, BU, BR | Weathers to an orangish red with a pebbly texture, often has less cedar growth and thicker grasses, boxwork porosity, springs and seeps |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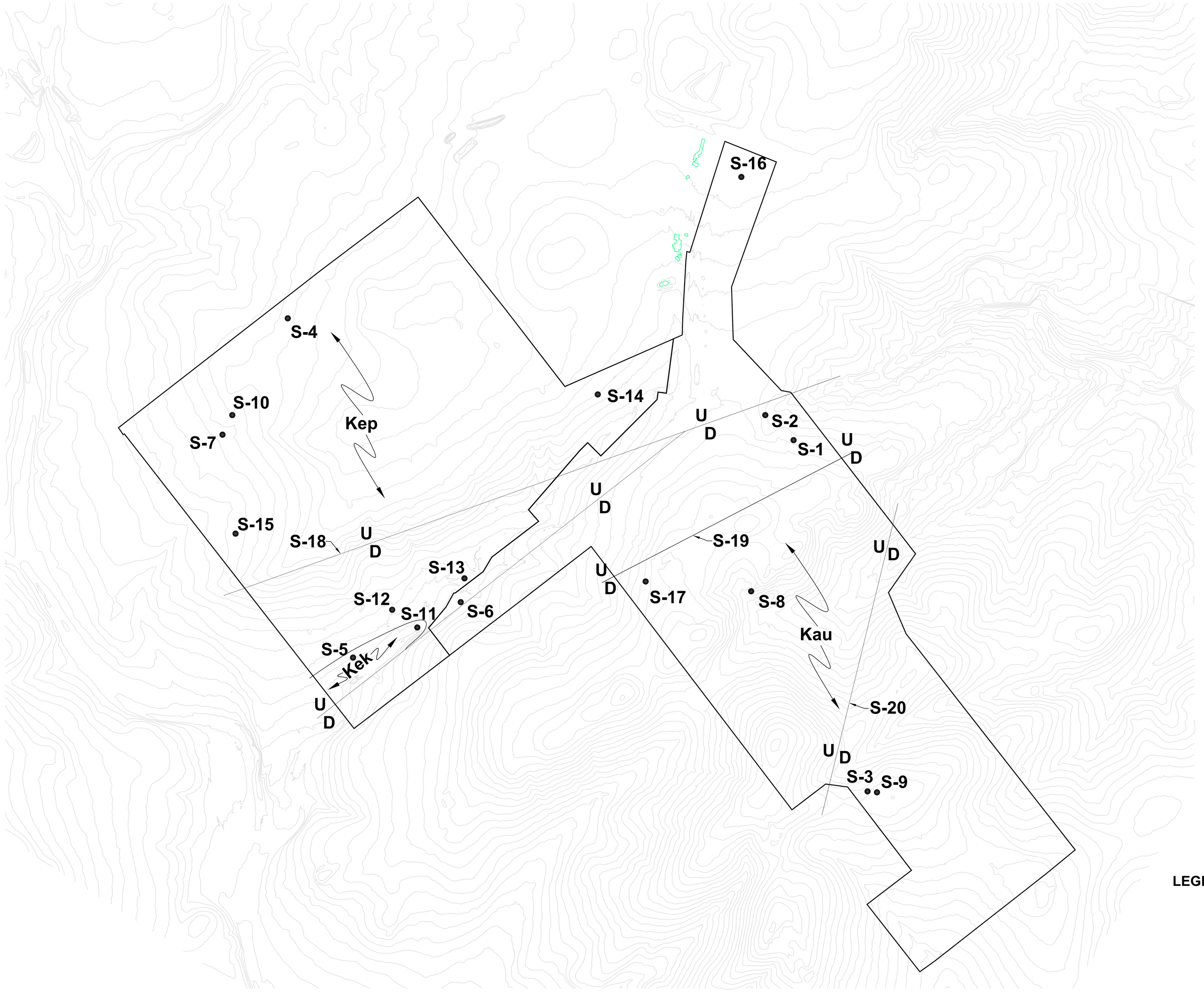
EXPLANATION
UPPER CRETACEOUS
UPPER CONFINING UNIT
EDWARDS AQUIFER
EDWARDS GROUP
PERSON FORMATION
NAVARRO AND TAYLOR GROUPS, UNDIVIDED
AUSTIN GROUP
EAGLE FORD GROUP
BUDA LIMESTONE
DEL RIO CLAY
I GEORGETOWN FORMATION
II CYCLIC AND MARINE MEMBERS, UNDIVIDED
III LEACHED AND COLLAPSED MEMBERS, UNDIVIDED
IV REGIONAL DENSE MEMBER
LOWER CRETACEOUS
EDWARDS AQUIFER
EDWARDS GROUP
KAINER FORMATION
V GRAINSTONE MEMBER
VI KIRSCHBERG EVAPORITE MEMBER
VII DOLOMITIC MEMBER
VIII BASAL NODULAR MEMBER
UPPER MEMBER OF THE GLEN ROSE LIMESTONE (LOWER CONFINING UNIT)
HYDROGEOLOGIC SUBDIVISIONS I – VIII--
Modified from Maclay and Small (1976)
U
D
PRIMARY FAULT—
U, upthrown, D, downthrown
INFERRED FAULT




N

0' 200' 400' 800'

SCALE IN FEET

**LEGEND:**

**Kau - UPPER CRETACEOUS, AUSTIN CHALK FM**

**Kep - UPPER CRETACEOUS, EDWARDS PERSON FM**

**Kek - LOWER CRETACEOUS EDWARDS KAINER FM**

**S-1 - SITE FEATURE LOCATIONS**

# GEOLOGIC ASSESSMENT
for
CHESMAR HOMES TRACT
STATE HIGHWAY 46 & FM2722
NEW BRAUNFELS, COMAL COUNTY, TX. 78132


STATE OF TEXAS
John Langan
Geology
4871
LICENSED
PROFESSIONAL GEOSCIENTIST
3/21/24

psi
Information To Build On
Engineering • Consulting • Testing
THREE BURWOOD LANE
SAN ANTONIO, TEXAS 78216


REVISIONS:

JOB NO. 04356189
FILE: 04356189.01
DATE: 03/21/24
DESIGN: ~
DRAWN: J LEAL
CHECKED:
SHEET 1 OF 1

Kimley»Horn

# *Attachment E*
# *Geologic Assessment Table*

## GEOLOGIC ASSESSMENT TABLE

**PROJECT NAME:** Chesmar Homes Tract

| LOCATION | | | FEATURE CHARACTERISTICS | | | | | | | | | | | EVALUATION | | | PHYSICAL SETTING | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1A | 1B * | 1C* | 2A | 2B | 3 | 4 | | | 5 | 5A | 6 | 7 | 8A | 8B | 9 | 10 | | 11 | | 12 |
| FEATURE ID | LATITUDE | LONGITUDE | FEATURE TYPE | POINTS | FORMATION | DIMENSIONS (FEET) | | | TREND (DEGREES) | DOM | DENSITY (NO/FT) | APERTURE (FEET) | INFILL | RELATIVE INFILTRATION RATE | TOTAL | SENSITIVITY | | CATCHMENT AREA (ACRES) | | TOPOGRAPHY |
| | | | | | | X | Y | Z | | 10 | | | | | | <40 | >40 | <1.6 | >1.6 | |
| S-1 | 29-44-9.5 | 98-12-51.5 | O | 5 | Kep | 120 | 60 | 2 | | | 3 | | F | 10 | 15 | X | | X | | Hillside |
| S-2 | 29-44-12.4 | 98-12-55.3 | O | 5 | Kep | 150 | 150 | 4 | | | 3 | | F | 10 | 15 | X | | X | | Hillside |
| S-3 | 29-43-42.8 | 98-12-51.7 | MB/well | 30 | Kau | 1 | 1 | >200 | | | | | | 2 | 32 | X | | X | | Hillside |
| S-4 | 29-44-22.2 | 98-13-40.9 | O | 5 | Kep | 80 | 40 | 2 | | | 2 | | F | 8 | 13 | X | | X | | Hillside |
| S-5 | 29-43-53.1 | 98-13-31.4 | SH | 20 | Kek | 50 | 50 | 5 | | | | | F | 20 | 40 | | X | | X | Drainage |
| S-6 | 29-43-57.1 | 98-13-26.7 | F | 20 | Kek | >5000 | 20 | >200 | | | | | | 15 | 35 | X | | | X | Drainage |
| S-7 | 29-44-12.2 | 98-13-45.3 | O | 5 | Kep | 100 | 75 | 2 | | | 2 | | F | 10 | 15 | X | | X | | Hillside |
| S-8 | 29-43-58.4 | 98-13-56.3 | MB/pond | 30 | Kbu | 110 | 75 | 7 | | | | | F | 3 | 33 | X | | | X | Hillside |
| S-9 | 29-43-42 | 98-12-51.9 | MB/septic | 30 | | 15 | 7 | 6 | | | | | | 20 | 50 | | X | X | | Hillside |
| S-10 | 29-44-14 | 98-13-44 | C | 30 | Kep | 1.5 | 1 | 35 | | | | | | 20 | 50 | | X | X | | Hillside |
| S-11 | 29-43-59.9 | 98-13-26.2 | O | 5 | Kep | 120 | 20 | 4 | | | | | | 15 | 20 | X | | | X | Drainage |
| S-12 | 29-44-3.3 | 98-13-28.3 | SC | 20 | Kep | 2 | 2 | 1 | | | | | | 10 | 30 | X | | X | | Hillside |
| S-13 | 29-44-1.8 | 98-13-21.4 | CD | 5 | Kep | 15 | 15 | 3 | | | | | | 10 | 15 | X | | X | | Hillside |
| S-14 | 29-44-13.3 | 98-13-12.6 | CD | 5 | Kep | 6 | 4 | 2 | | | | | | 10 | 15 | X | | X | | Hillside |
| S-15 | 29-44-3.1 | 98-13-40.8 | CD | 5 | Kep | 8 | 6 | 2 | | | | | | 10 | 15 | X | | X | | Hillside |

* DATUM:_____

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

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

12 TOPOGRAPHY

Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed

I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field.

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

_____ _____

Date 3/21/24

Sheet 1 of 1

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

## GEOLOGIC ASSESSMENT TABLE

**PROJECT NAME:** Chesmar Homes Tract

| 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) | DOD | DENSITY (NO/FT) | APERTURE (FEET) | INFILL | RELATIVE INFILTRATION RATE | TOTAL | SENSITIVITY | | CATCHMENT AREA (ACRES) | | TOPOGRAPHY |
| | | | | | | X | Y | Z | | 10 | | | | | | <40 | >40 | <1.6 | >1.6 | |
| S-16 | 29-44-32 | 98-12-51.57.8 | MB/well | 30 | Kep | 0.7 | 0.7 | >100 | | | | | F | 3 | 33 | X | | X | | Hillside |
| S-17 | 29-43-57.6 | 98-13-2.4 | MB/exc | 30 | Kep | 130 | 80 | 5 | | | 3 | | F | 6 | 36 | X | | X | | Hillside |
| S-18 | 29-44-00 | 98-13-38.5 | F | 20 | Kep | >5000 | 20 | >50 | | | | | | 15 | 35 | X | | | X | Hillside |
| S-19 | 29-44-5.3 | 98-12-57.1 | F | 20 | Kep | >5000 | 20 | >50 | | | | | | 15 | 35 | X | | | X | Hillside |
| S-20 | 29-43-50.9 | 98-12-48.8 | F | 20 | Kau | >3000 | 20 | >50 | | | | | | 15 | 35 | X | | | X | Hillside |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

* DATUM:_____

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

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

12 TOPOGRAPHY

Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed

I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field.

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

___ _____

Date 3/21/24

Sheet 1 of 1

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

1. View of fractured rock outcrop feature S-1, located on the east side of the 438- acre property on Highway 46 in New Braunfels, Texas.

2. View of fractured rock outcrop feature S-2, located on the east side of the 438- acre property on Highway 46 in New Braunfels, Texas.

3. View of water well Feature S-3, located in the southwest portion of the tract.

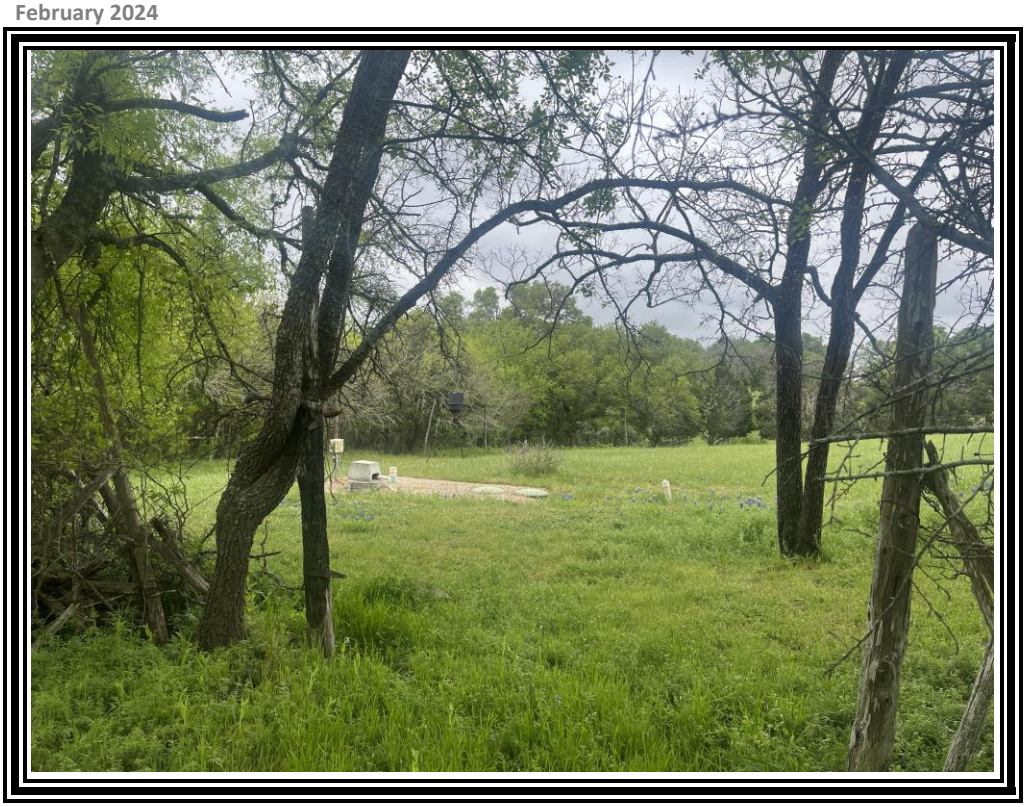
4. View of outcrop Feature (S-4) located in the northern portion of the site.

5. View of sinkhole feature (S-5) located in the southwestern portion of the square tract portion of the 438-acre site at 29-43-53.1; -98-13-31.4

6. Another view of Feature S-5.

7. View of fault line (Feature S-6) on the south side of the Dry Comal Creek tributary on the south side of the square portion of the tract.

8. View of pond (Feature S-8) located on the south-central portion of the tract.



9. View of MM septic tank Feature S-9, in the southwest portion of the site, at 23-41-42; -9812-51.9.

10. View of cave feature S-10 located in the northern portion of the tract. Rock appeared to be placed in opening to restrict access.

11. View inside cave (Feature S-10). Significant air flow was noted at the opening, suggesting an extensive feature.

12. View of fractured rock outcrop feature S-11 located in a drainage along fault line feature S-6.

13. View of solution cavity (Feature S-12) on the south-central portion of the square part of the tract (29-44-3.3; -98-13-28.3).

14. View of closed depression feature S-13 located on the southern portion of the square tract (29-44-1.8; -98-13-21.4). The feature may be from vegetation/tree clearing activities in the area.

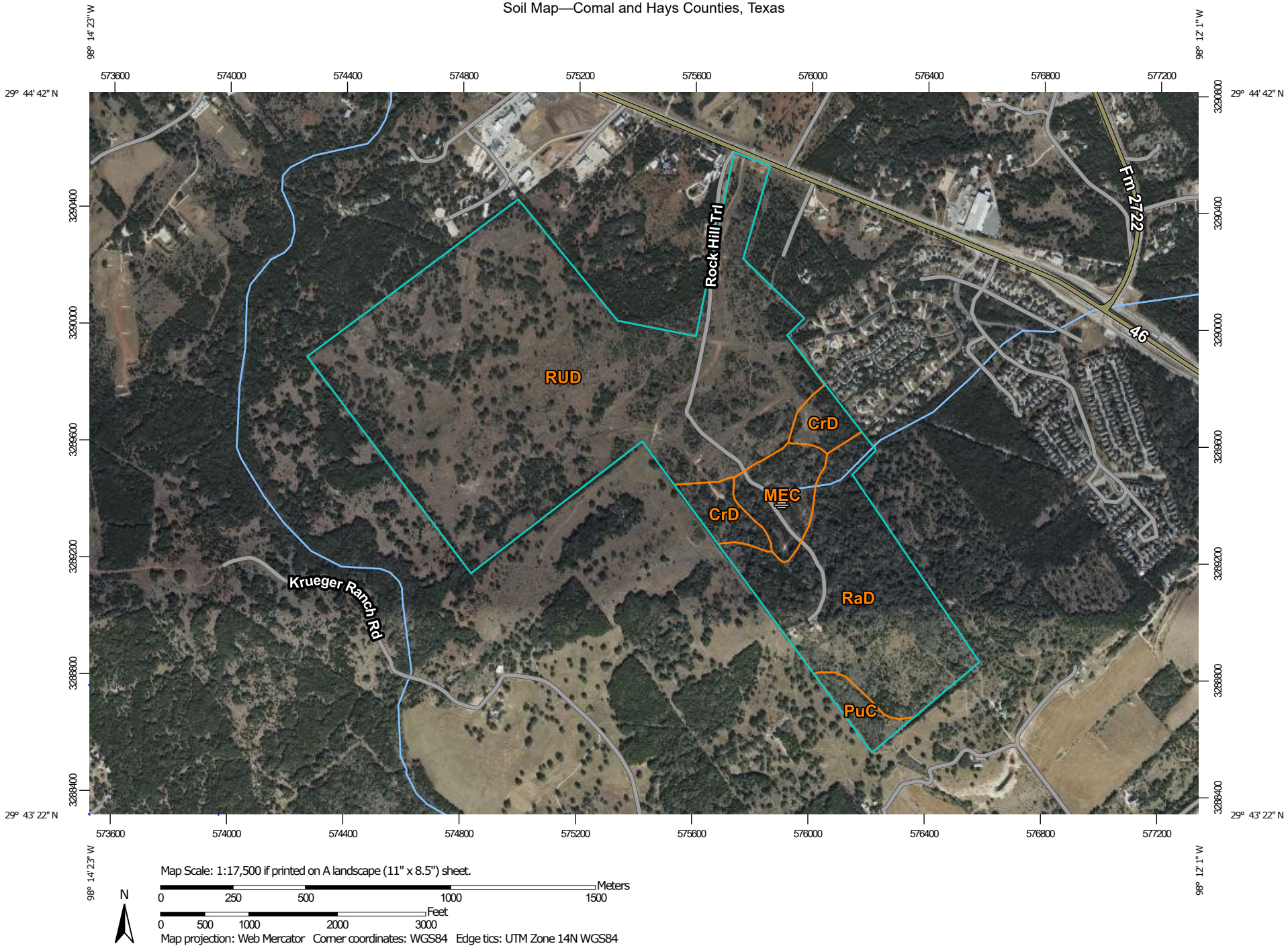
15. View of small closed depression (Feature S-14) on the east side of tract (29-44-13.3; -98-13-12.6).

16. View of small closed depression (Feature S-15) on the west side of tract (29-44-3.1; -98-13-40.8). These c/d features appear to be from vegetation/tree clearing activities throughout the tract.

17. View of capped well (Feature S-16) on the entryway just south of Highway 46 (29-44-32; -98-12-57.8).

18. View of MM excavated Feature S-17 located in the west central portion of the tract.

Soil Map—Comal and Hays Counties, Texas



## MAP LEGEND

**Area of Interest (AOI)**
- Area of Interest (AOI)

**Soils**
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

**Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

**Water Features**
- Streams and Canals

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

**Background**
- Aerial Photography

## MAP INFORMATION

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

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

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

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

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

Soil Survey Area: Comal and Hays Counties, Texas
Survey Area Data: Version 20, Sep 5, 2023

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

Date(s) aerial images were photographed: Dec 10, 2020—Jan 15, 2021

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

# Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---|---|---|---|
| CrD | Comfort-Rock outcrop complex, 1 to 8 percent slopes | 18.2 | 4.2% |
| MEC | Medlin, warm-Eckrant association, 1 to 8 percent slopes | 19.3 | 4.5% |
| PuC | Purves clay, 1 to 5 percent slopes | 8.0 | 1.8% |
| RaD | Real gravelly loam, 1 to 8 percent slopes | 92.2 | 21.2% |
| RUD | Rumple-Comfort, rubbly association, 1 to 8 percent slopes | 296.1 | 68.3% |
| **Totals for Area of Interest** | | **433.7** | **100.0%** |

# SECTION 4: ABOVEGROUND STORAGE TANK FACILITY PLAN

kimley-horn.com | 5301 Southwest Parkway, Building 2, Suite 100, Austin, TX 78735 | 512 646 2237

# 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: Rachel Tackett, P.E.

Date: October 15, 2025

Signature of Customer/Agent:

**Regulated Entity Name**: Purlsong Phase 1

## *Aboveground Storage Tank (AST) Facility Information*

1. Tanks and substance stored:

**Table 1 - Tank and Substance Storage**

| *AST Number* | *Size (Gallons)* | *Substance to be Stored* | *Tank Material* |
|---|---|---|---|
| 1 | 1024 | Diesel | Steel |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

**Total x 1.5 =** 1536 **Gallons**

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

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

3. Inside dimensions and capacity of containment structure(s):

**Table 2 - Secondary Containment –**

Equipment selection has not been completed. Attached cutsheets show specification requirements for fuel tank containment. Final dimensions dependent on selected generator manufacturer.

| *Length (L) (Ft.)* | *Width (W) (Ft.)* | *Height (H) (Ft.)* | *L x W x H = (Ft3)* | *Gallons* |
|---|---|---|---|---|
| 22.2 | 6.1 | 1.9 | 260.6 | 1949.4 |
| | | | | |
| | | | | |

**Total:** 1949.4 **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 Steel.
6. ☒ **Attachment B - Scaled Drawing(s) of Containment Structure**. A scaled drawing of the containment structure that shows the following is attached:

   - ☒ Interior dimensions (length, width, depth and wall and floor thickness).
   - ☒ Internal drainage to a point convenient for the collection of any spillage.
   - ☒ Tanks clearly labeled.
   - ☒ Piping clearly labeled.
   - ☒ Dispenser clearly labeled.

## *Site Plan Requirements*

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

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

   Site Plan Scale: 1" = 20'.

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 Map No. 48091C0430F, Dated September 2, 2009.

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

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

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

    ☐ There are ___ wells present on the project site and the locations are shown and labeled. (Check all of the following that apply):

    ☐ The wells are not in use and have been properly abandoned.

    ☐ The wells are not in use and will be properly abandoned.

    ☐ The wells are in use and comply with 16 TAC § 76.

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

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

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

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

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

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

    ☒ N/A

17. ☐ Locations where stormwater discharges to surface water or sensitive features.
☒ There will be no discharges to surface water or sensitive features.
18. ☒ Legal boundaries of the site are shown.

## *Best Management Practices*

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

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

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

    ☒ Containment area will be covered by a roof.
    ☐ Containment area will not be covered by a roof.
    ☐ A description of the alternate method of stormwater disposal is submitted for the executive director's review and approval and is attached.

21. ☒ **Attachment D - Spill and Overfill Control**. A site-specific description of the methods to be used at the facility for spill and overfill control is attached.
22. ☒ **Attachment E - Response Actions to Spills**. A site-specific description of the planned response actions to spills that will take place at the facility is attached.

## *Administrative Information*

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

    ☒ The WPAP application for this project was approved by letter dated April 3, 2025. A copy of the approval letter is attached at the end of this application.
    ☐ The WPAP application for this project was submitted to the TCEQ on_____, but has not been approved.
    ☐ 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.

# *Attachment A*

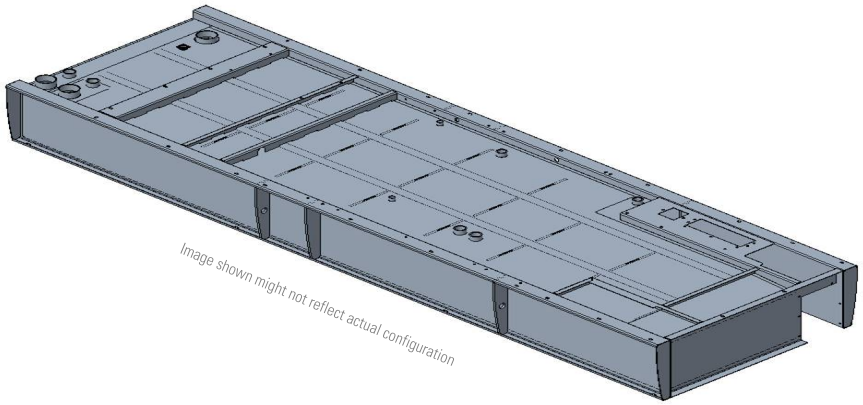
# *Alternative Methods of Secondary Containment*

The 1.84-acre project will implement an alternative approach to ensure secondary containment for the double-walled steel storage tank. This tank will be equipped with a 3-inch updraft vent and a 6-inch emergency vent, which are designed to prevent the escape of fumes and excess liquid from the aboveground storage tank (AST). To monitor liquid levels, a magnetic liquid-level gauge along with alarms will be installed, while a spill container will be provided to capture minor spills occurring at the AST's fill point. Additionally, a 2-inch overspill prevention valve will be incorporated to avert overfilling by providing a positive shutoff during pressurized filling operations.

# *Attachment B*

# *Scaled Drawings of Containment Structure*

# Cat® GC FUEL TANKS




## EXTENDED FUEL TANKS

## D250 GC – D600 GC

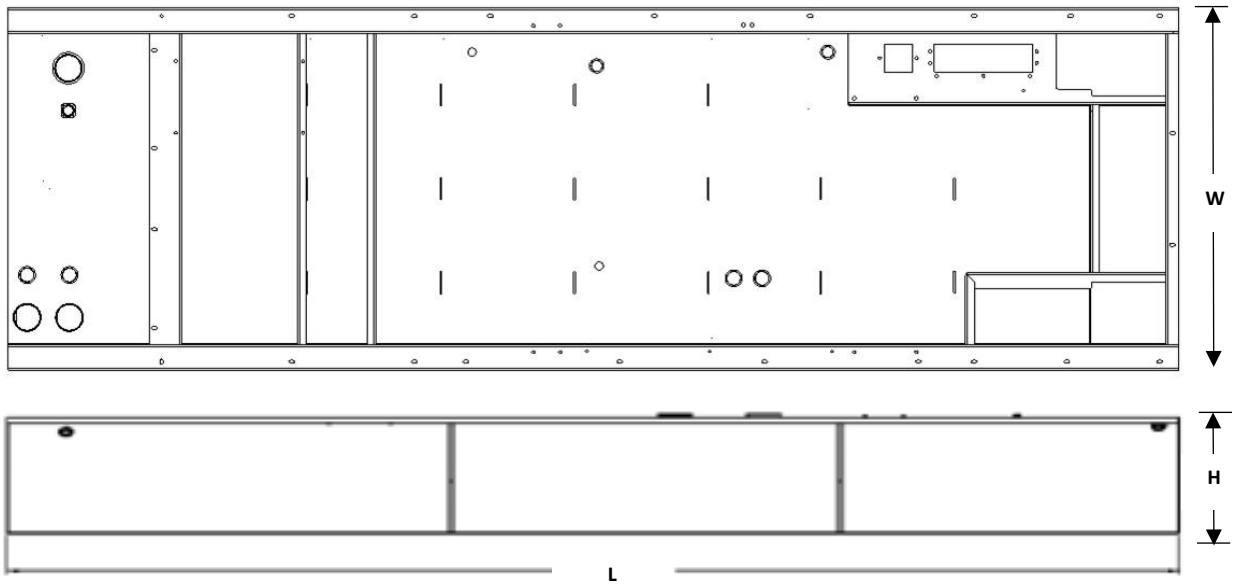
### FEATURES

- UL Listed for United States (UL 142) and Canada (CAN/ULC S601)
- Facilitates compliance with NFPA 30 code, NFPA 37 and 110 standards and CSA C282 code
- Dual wall
- Low fuel level warning standard, customer configurable warning or shutdown
- Primary tank leak detection switch in containment basin
- Tank design provides capacity for thermal expansion of fuel
- Fuel supply dip tube is positioned so as not to pick up fuel sediment
- Fuel return and supply dip tube is separated by an internal baffle to prevent immediate re-supply of heated return fuel
- Pressure washed with an iron phosphate solution
- Interior tank surfaces coated with a solvent-based thin-film rust preventative
- Heavy gauge steel gussets with internal lifting rings
- Primary and secondary tanks are leak tested at 20.7 kPa (3 psi) minimum
- Compatible with open packages and enclosures
- Gloss black polyester alkyd enamel exterior paint
- Welded steel containment basin (minimum of 110% of primary tank capacity)
- Direct reading fuel gauge with variable electrical output
- Emergency vents on primary and secondary tanks are sized in accordance with NFPA 30.

### OPTIONS

- Audio/visual fuel level alarm panel
- ULC / CSA Accessory Kit
- 5gal (18.9 L) spill containment
- Overfill prevention Valve
- Fuel tank fill pipe & lockable cap

## Fuel Tank Base Useable Capacities with Fuel Tank Dimensions & Weights




The heights listed above do not include lumber used during manufacturing and shipping

### A. Open Set & Sound Attenuated Enclosure

| Tank Design | Feature Code | Total Capacity | | Useable Capacity | | Tank Only | | | | | | | | Overall Package Height with Tank | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Dry Weight | | Height 'H' | | Length 'L' | | Width'W' | | Open | | Enclosure | |
| | | Litre | Gallon | Litre | Gallon | kg | lb | mm | in | mm | in | mm | in | mm | in | mm | in |
| Extended Tank | FTDW039 | 2341 | 618.4 | 2060 | 538.9 | 1075 | 2370 | 639 | 25.1 | 4608 | 181.4 | 1430 | 56.3 | 2095 | 82.4 | 2385 | 93.9 |
| | FTDW040 | 2862 | 756 | 2540 | 671 | 1294 | 2852 | 586 | 23 | 5252 | 206.7 | 1620 | 63.8 | 2503 | 98.5 | 2563 | 100.9 |
| | FTDW041 | 3633 | 959.7 | 3286 | 868.1 | 1506 | 3302 | 635 | 25 | 5910 | 228.7 | 1620 | 63.8 | 2291 | 90.1 | 2479 | 97.6 |
| | FTDW042 | 4271 | 1128.2 | 3878 | 1024 | 1944 | 4285 | 585 | 23 | 6759 | 266.1 | 1865 | 73.4 | 2345 | 92.3 | 1957 | 77.0 |

## B. Estimated Run Time (Hours)

| Tank Design | Feature Code | Standby Ratings (kVA) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | ekW | 100% | | 75% | | 50% | |
| | | | Hrs | L/hr | Hrs | L/hr | Hrs | L/hr |
| Tank | FTDW039 | 250 | 28.1 | 73.3 | 35 | 35.0 | 47 | 47.0 |
| | | 300 | 24 | 86 | 30.8 | 30.8 | 40 | 40.0 |
| | FTDW040 | 350 | 26.9 | 94.3 | 31.2 | 81.9 | 42.4 | 60.2 |
| | | 400 | 24.0 | 105.8 | 28.1 | 90.7 | 38.6 | 66.2 |
| | FTDW041 | 450 | 25.0 | 131.7 | 31.3 | 106.1 | 42.0 | 79.1 |
| | | 500 | 24.0 | 137 | 30.1 | 110.5 | 46.6 | 71.3 |
| | FTDW042 | 550 | 25.7 | 151.1 | 32.9 | 118.1 | 45.2 | 86.1 |
| | | 600 | 24.1 | 161.6 | 30.0 | 129.6 | 42.4 | 91.7 |

Tanks with full electrical stub-up area include removable end channel. Tanks with RH stub-up include stubup area directly below the circuit breaker or power terminal strips.

Fuel tanks and applicable options facilitate compliance with the following United States NFPA Code and Standards:

NFPA 30: Flammable and Combustible Liquids Code

NFPA 37: Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines

NFPA 110: Standard for Emergency and Standby Power Systems

Fuel tanks and applicable options facilitate compliance with the following Canadian Standard and Code:

CSA C282 – Emergency Electrical Power Supply for Buildings

CSA B139-09 – Installation Code for Oil-Burning Equipment

LET'S DO THE WORK.™

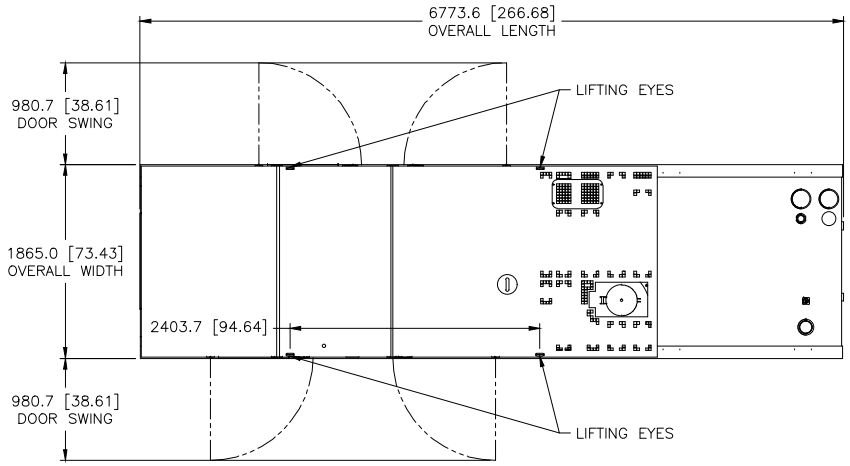
LEHE2624-01 (07-20)

www.Cat.com/electricpower

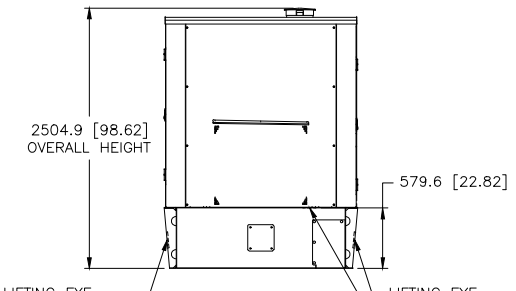
METRIC 605-9663

| QTY | ENGINE CONNECTIONS | SIZE | SHEET |
|---|---|---|---|
| 1 | COOLANT DRAIN | ø19.1 [ø0.75] I.D. | 2 |
| 1 | EXHAUST | ø254.0 [ø10.00] O.D. | 2 |
| 1 | FUMES DISPOSAL TUBE | ø50.8 [ø2.00] O.D. | 2, 3 |
| 1 | OIL DRAIN | ø25.4 [ø1.00] I.D. | 2 |

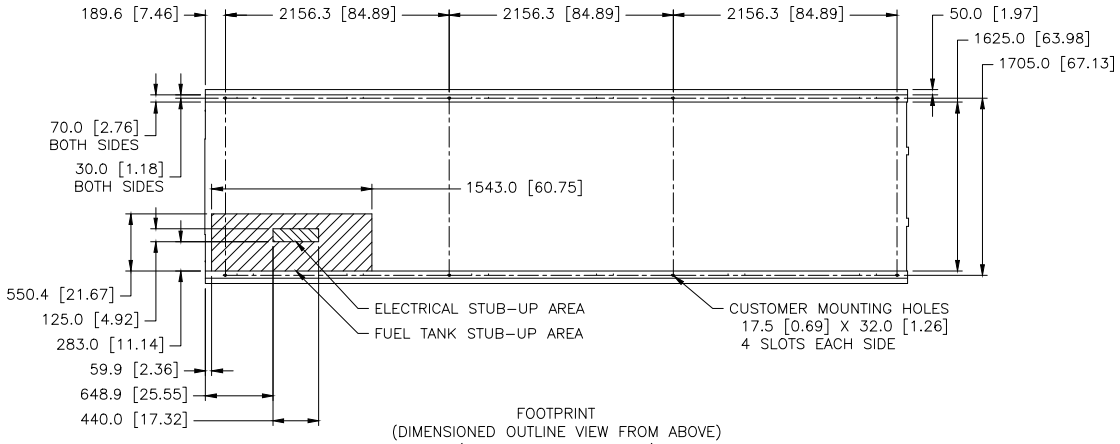
| QTY | POSSIBLE TANK CONNECTIONS | SIZE | SHEET |
|---|---|---|---|
| 1 | BASIN TANK EMERGENCY VENT | 5" NPT THD | 3 |
| 1 | FUEL INLET | 4" NPT THD | 3 |
| 1 | FUEL RETURN | 13/16-16 ORFS | 3 |
| 1 | FUEL SUPPLY | 13/16-16 ORFS | 3 |
| 1 | MAIN TANK EMERGENCY VENT | 5" NPT THD | 3 |
| 1 | NORMAL VENT | 2-11 1/2 NPTF | 3 |
| 3 | SPARE PORT | 2-11 1/2 NPTF | 3 |




TOP VIEW
[RIGHT SIDE ORIENTATION]




REAR VIEW




FOOTPRINT
(DIMENSIONED OUTLINE VIEW FROM ABOVE)
(RIGHT SIDE ORIENTATION)

PACKAGE LIFTED IN 4 PLACES

PACKAGE SHOWN WITH MORE DETAIL ON SHEETS 2 & 3

| MODEL | TYPE | PRICING AR | FUEL TANK | ENCLOSURE |
|---|---|---|---|---|
| C18 | Y | LS-3981 CHG 00<br>LS-3982 CHG 00 | LS-4066 CHG 00 | LS-3860 CHG 00 |

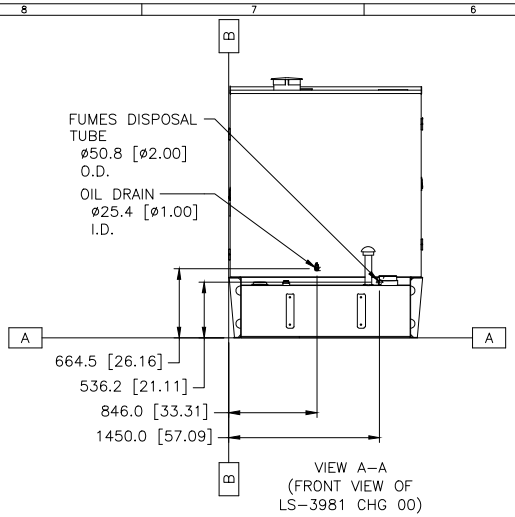
| | | |
|---|---|---|
| | 1E2966 | IDENT |
| | 1E2733 | DRAWING-AUTOCAD |
| | 1E0198 | BRAND MARKINGS |
| | 1E0013 | CONFIDENTIALITY |
| | 1E0012 | INTERPRETATION |
| | 1E0011 | INTPR & TOL |

DRN J.O. SCHAIDLE
CHK M.J. SWIF
APP N.P. MOUNTJOY
SIZE A1 WEIGHT (kg) MASS
OTHER RECORDS X
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm [INCH]
DIMENSIONS W/O TOL ARE BASIC
SCALE 1 = 18
THIRD ANGLE PROJECTION
SHEET 1 OF 3
00 19SEP20
CHG DATE

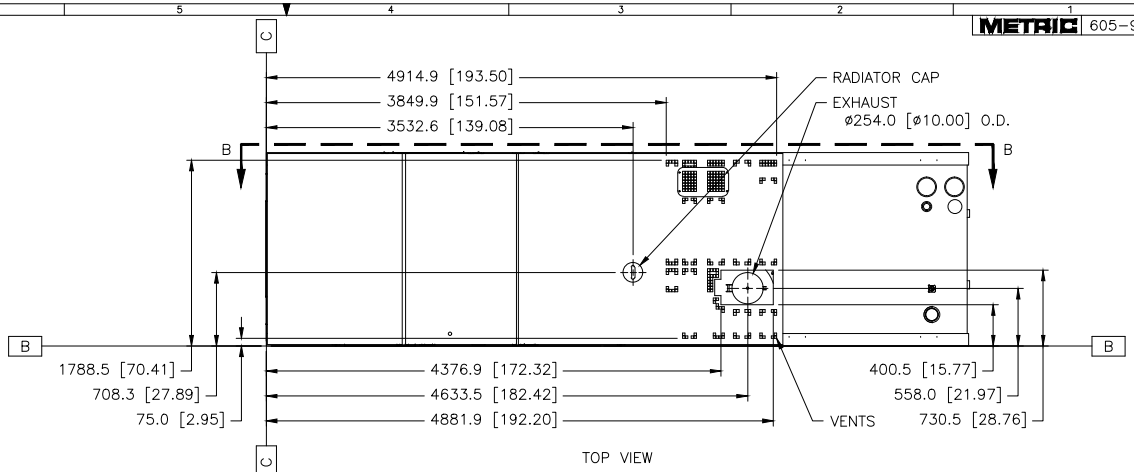
CATERPILLAR INC.

INSTALLATION-COMPOSITE
C18 SA L2 + EXTENDED TANK
605-9663 - DRG SUB W591 E

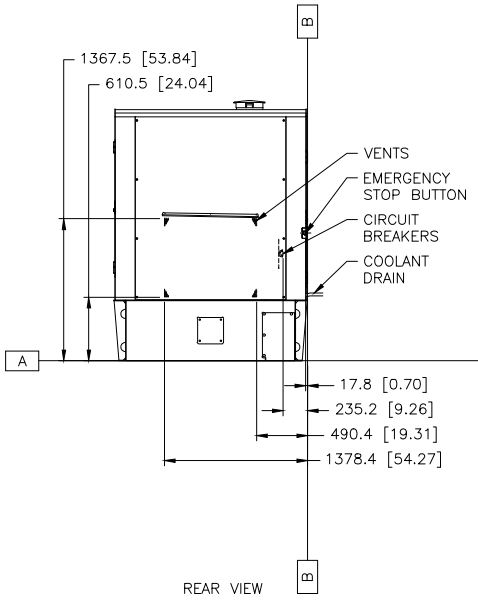
METRIC 605-9663



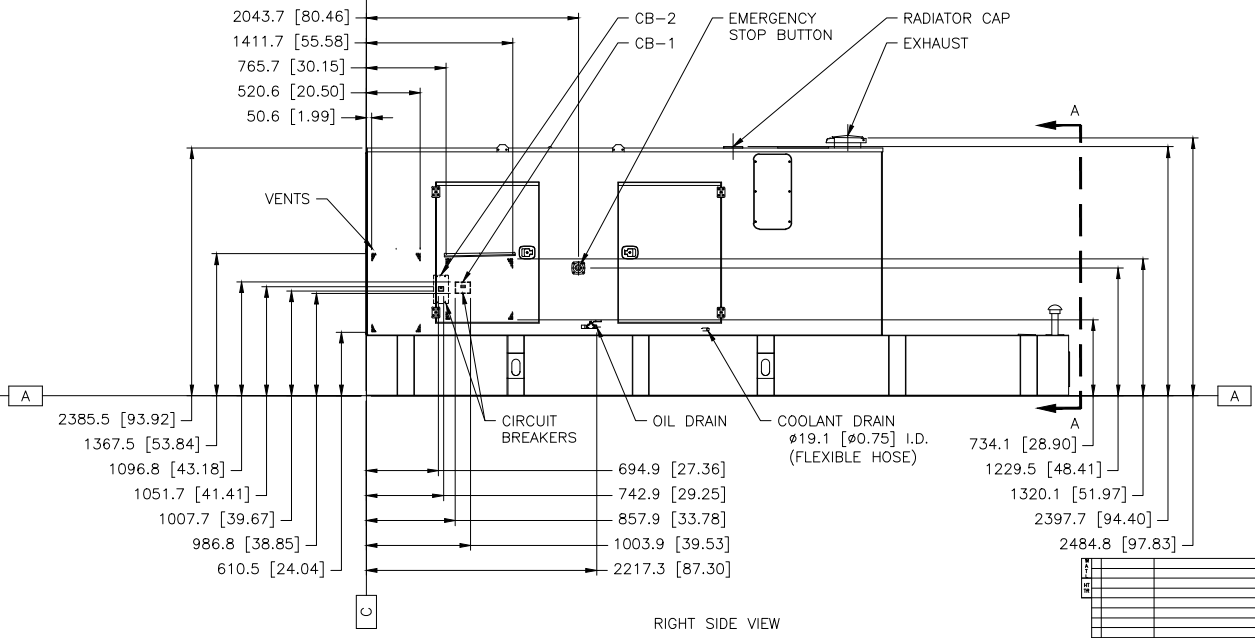

VIEW A–A
(FRONT VIEW OF LS–3981 CHG 00)




TOP VIEW




REAR VIEW




RIGHT SIDE VIEW

| | |
|---|---|
| 1E2966B | IDENT |
| 1E2733 | DRAWING–AUTOCAD |
| 1E0138W | BRAND MARKINGS |
| 1E0013C | CONFIDENTIALITY |
| 1E0012X | INTERPRETATION |
| 1E0011 | INTPR & TOL |

SPEC NO. NAME

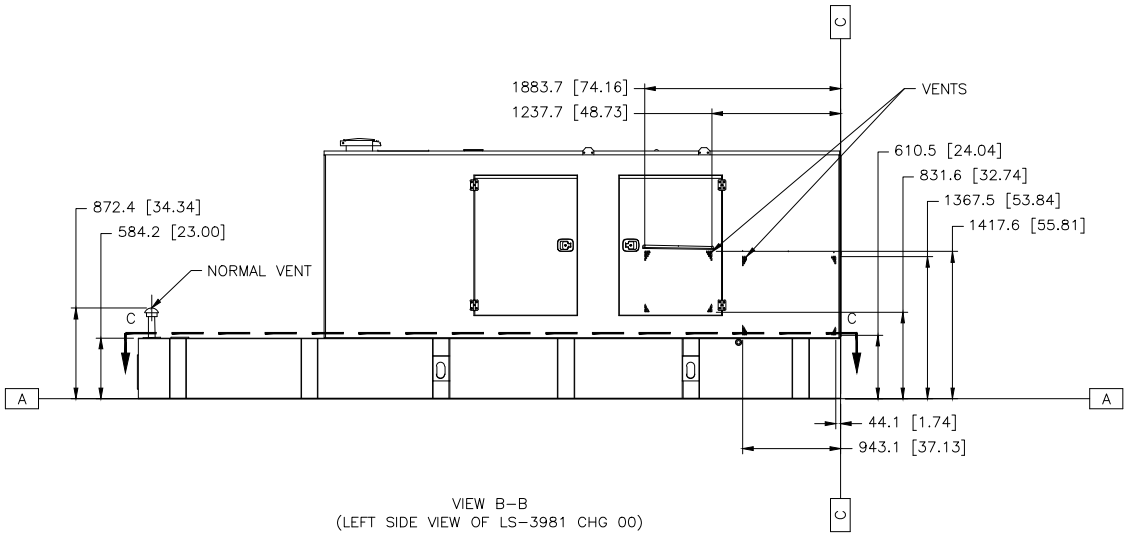
DRN J.D. SCHAIDLE
CHK M.J. SWIFT
APPD N.P. MOUNTJOY
DOC TYPE EXP REL PROD
RECORDS X

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM [INCH]
DIMENSIONS W/O TOL ARE BASIC
SCALE 1 = 18
WEIGHT(KG) WEIGHT(LB)
1 (Sheet 2) 1
SHEET 2 OF 3
THIRD ANGLE PROJECTION
00 19SEP20
CHG DATE

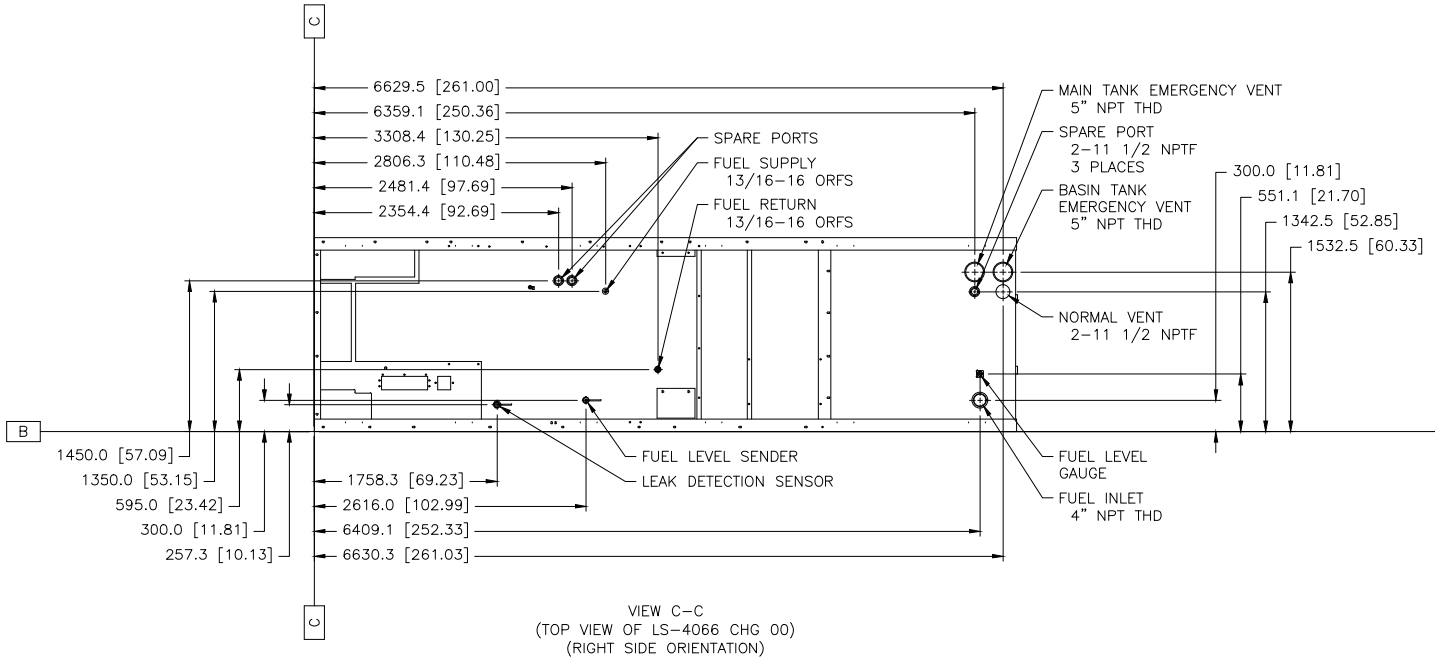
CATERPILLAR INC.



INSTALLATION–COMPOSITE
C18 SA L2 + EXTENDED TANK
605–9663
VER -
CONTROL
SEG 24 SUB 1
W591
E




VIEW B–B
(LEFT SIDE VIEW OF LS–3981 CHG 00)




VIEW C–C
(TOP VIEW OF LS–4066 CHG 00)
(RIGHT SIDE ORIENTATION)

| | | |
|---|---|---|
| | 1E2966 | IDENT |
| | 1E2733 | DRAWING–AUTOCAD |
| | 1E0138 | W BRAND MARKINGS |
| | 1E0013 | CONFIDENTIALITY |
| | 1E0122 | INTERPRETATION |
| | 1E0011 | INTPR & TOL |
| DRN | J.O. SCHAIDLE | |
| CHK | M.J. SWIFT | |
| APPD | N.P. MOUNTJOY | |
| DOC TYPE | D.P. | PROD |
| SIZE | A1 | |
| RECORDS | X | |

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM [INCH]
DIMENSIONS W/O TOL ARE BASIC
SCALE 1 = 18
SHEET 3 OF 3
THIRD ANGLE PROJECTION
CHG 00 19SEP20
DATE

CATERPILLAR INC.

THE INFORMATION HEREON IS THE PROPERTY OF CATERPILLAR INC. AND/OR ITS SUBSIDIARIES AND IS FURNISHED FOR USE ONLY IN CONNECTION WITH PRODUCTS MANUFACTURED BY CATERPILLAR OR ITS SUBSIDIARIES.

INSTALLATION–COMPOSITE
C18 SA L2 + EXTENDED TANK
605-9663
CONTROL
VER -
DES 24
SUB 1
W591
E

# *Attachment D*
# *Spill and Overfill Control*

# Spill and Overfill Control

Spill and overfill control are provided in attached cutsheets showing specification requirements for fuel tank containment.

# *Attachment E*
# *Response Actions to Spills*

# Response Actions to Spills

If there is an accidental spill on site, the contractor shall respond with appropriate action. The contractor will be required to contact the owner and in turn the owner will contact the TCEQ in the event of a spill on site. In addition to the following guidance, reference the latest version of TCEQ's Technical Guidance Manual (TGM) RG-348 Section 1.4.16.

## Cleanup

- Clean up leaks and spills immediately.
- 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.
- 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

- 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.
- Use absorbent materials on small spills rather than hosing down or burying the spill.
- Absorbent materials should be promptly removed and disposed of properly.
- Follow the practice below for a minor spill:
  - Contain the spread of the spill.
  - Recover spilled materials.
  - 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:

- Contain spread of the spill.
- Notify the project foreman immediately.
- 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.
- If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.
- If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

## Significant/Hazardous Spills

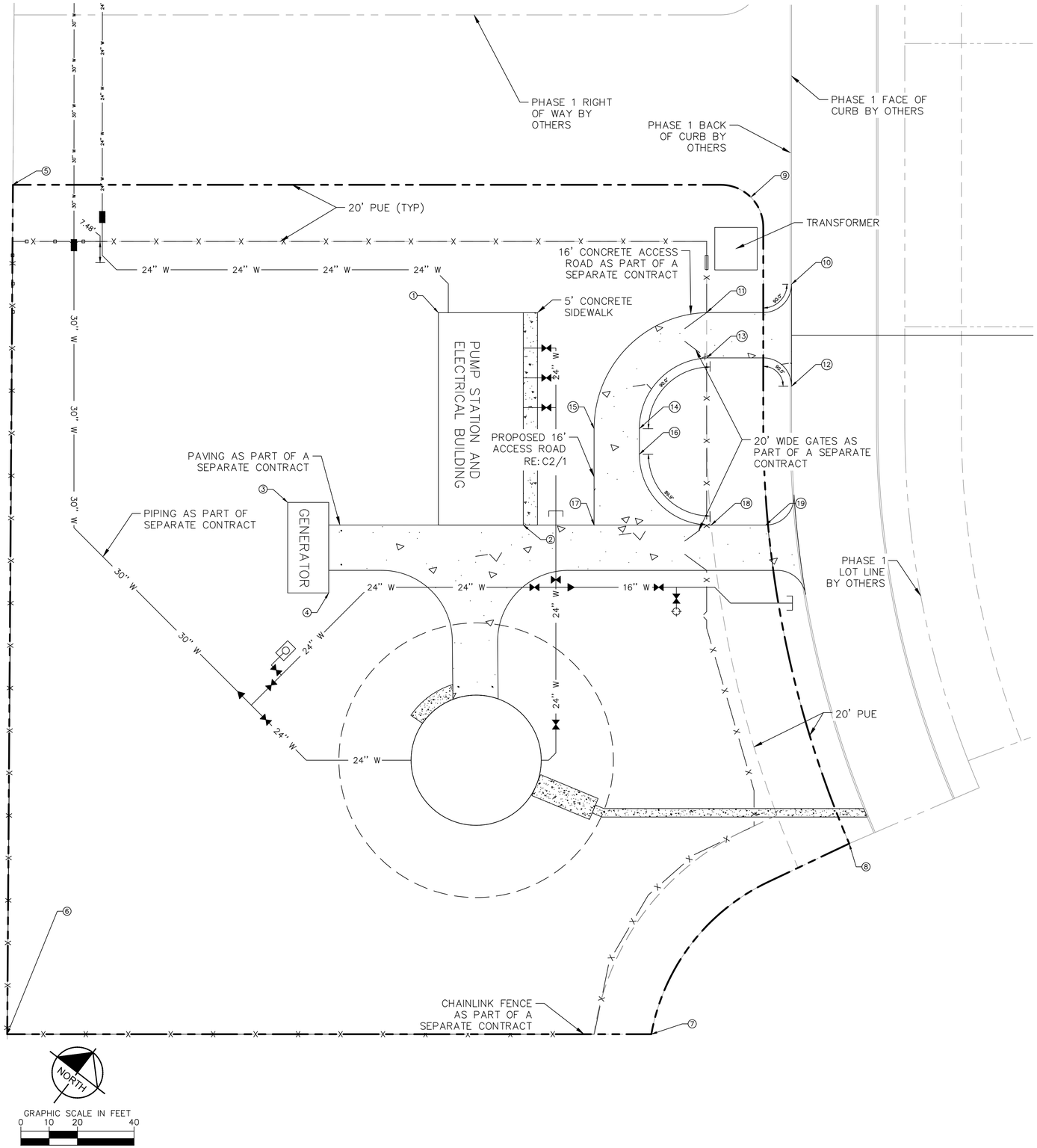
For significant or hazardous spills that are in reportable quantities:

- 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.

- 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.
- Notification should first be made by telephone and followed up with a written report.
- The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.
- Other agencies which may need to be consulted include, but not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.

# *Site Plan*



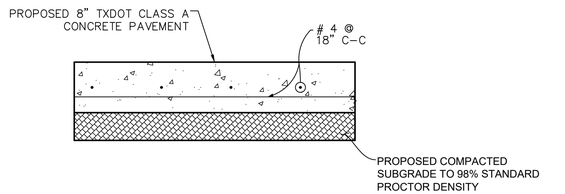

## LEGEND

- PARCEL BOUNDARIES
- EASEMENT BOUNDARIES
- EXISTING ASPHALT
- X"W X"W PROPOSED X" WATER LINE
- PROPOSED CONCRETE DRIVE
- PROPOSED FLEXBASE DRIVE
- PROPOSED ACCESS DRIVE

| POINT TABLE | | | |
|---|---|---|---|
| POINT # | NORTHING | EASTING | DESCRIPTION |
| 1 | 13813767.52 | 2217412.65 | BUILDING CORNER |
| 2 | 13813726.55 | 2217482.26 | BUILDING CORNER |
| 3 | 13813681.96 | 2217411.51 | GENERATOR PAD CORNER |
| 4 | 13813665.52 | 2217442.56 | GENERATOR PAD CORNER |
| 5 | 13813711.22 | 2217266.02 | PROPERTY LINE CORNER |
| 6 | 13813472.78 | 2217448.02 | PROPERTY LINE CORNER |
| 7 | 13813612.01 | 2217628.04 | PROPERTY LINE CORNER |
| 8 | 13813708.03 | 2217642.15 | PROPERTY LINE CORNER |
| 9 | 13813867.32 | 2217475.03 | PROPERTY LINE CORNER |
| 10 | 13813851.82 | 2217505.21 | CONCRETE DRIVE POC |
| 11 | 13813825.55 | 2217487.60 | CONCRETE DRIVE POC |
| 12 | 13813823.34 | 2217527.24 | CONCRETE DRIVE POC |
| 13 | 13813812.87 | 2217497.41 | CONCRETE DRIVE POC |
| 14 | 13813778.56 | 2217493.86 | CONCRETE DRIVE POC |
| 15 | 13813768.78 | 2217481.21 | CONCRETE DRIVE POC |
| 16 | 13813771.41 | 2217499.39 | CONCRETE DRIVE POC |
| 17 | 13813741.85 | 2217502.03 | CONCRETE DRIVE POC |
| 18 | 13813767.16 | 2217534.76 | EDGE OF CONCRETE DRIVE |
| 19 | 13813778.96 | 2217550.01 | CONCRETE DRIVE POC |

NOTES:

1. GRADING, UTILITIES, AND SURFACE FEATURES ETC, PROPOSED BY OTHERS NOT SHOWN FOR CLARITY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PRIVATE OR PUBLIC, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND, THE CONTRACTOR, SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, FOR LOCATING ALL UNDERGROUND FACILITIES, FOR COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES DURING CONSTRUCTION, FOR THE SAFETY AND PROTECTION THEREOF, AND REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK, THE COST OF ALL WHICH WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
3. UNTIL THE WORK IS ACCEPTED BY THE OWNER, THE PROJECT SHALL BE UNDER THE CHARGE AND CUSTODY OF THE CONTRACTOR AND THE CONTRACTOR SHALL TAKE EVERY NECESSARY PRECAUTION AGAINST INJURY OR DAMAGE TO THE WORK.
4. ALL PAVING DIMENSIONS AND COORDINATES ARE TO EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PERFORMING ALL CONSTRUCTION LAYOUT FROM THE SITE LAYOUT CONTROL POINTS SHOWN ON THIS SHEET, AND FROM THE DIMENSIONS SHOWN. THE CONTRACTOR MUST NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. ELECTRONIC FILES WILL NOT BE PROVIDED FOR DIMENSIONAL CONTROL OF PROJECT LAYOUT OR ANY OTHER PURPOSES.
6. THE CONTRACTOR SHALL KEEP CONTROL POINTS PROTECTED, MARKED, AND LOCATED DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL COORDINATE UTILITY AND LIGHT POLE LOCATIONS WITH EXISTING AND PROPOSED UTILITIES AND ADJUST POLE LOCATIONS AS REQUIRED TO AVOID ANY CONFLICT WITH SUCH UTILITIES
8. CONTRACTOR WILL NEED TO SECURE A COMAL COUNTY UTILITY AND PIPROW PERMIT PRIOR TO ANY CONSTRUCTION WITHIN THE COUNTY RIGHT-OF-WAY.




1 C2 CONCRETE DRIVEWAY SECTION
N.T.S.

Kimley»Horn
Firm No. F-928
5301 Southwest Pkwy, Bldg 3, Suite 100, Austin, TX, 78735 P: 512-646-2237

| No. | Revision | By | Date |
|---|---|---|---|
| | | | |



RACHEL TACKETT, P.E.
SERIAL NO. 149908
DATE: MAY 2025

# KT WATER SYSTEM PUMP STATION #2

## SITE PLAN

| | |
|---|---|
| DATE: | MAY 2025 |
| DESIGN: | RAT |
| DRAWN: | LEG/MC |
| CHECKED: | SRM |
| KHA NO.: | 069277526 |

SHEET
C2

# SECTION 6: ADDITIONAL FORMS

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

I Aundrea Williams,
Print Name

President,
Title - Owner/President/Other

of SJWTX, Inc.,
Corporation/Partnership/Entity Name

have authorized Rachel Tackett, P.E.
Print Name of Agent/Engineer

of Kimley-Horn and Associates, 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:

Andrea Williams 10/9/25

Applicant's Signature Date

THE STATE OF Texas §

County of Comal §

BEFORE ME, the undersigned authority, on this day personally appeared _____known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 9th day of October, 2025.

Valerie Wernert

NOTARY PUBLIC

VALERIE NICHOLE WERNERT
Notary Public, State of Texas
Comm. Expires 08-01-2028
Notary ID 135020894

Valerie Wernert

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 8/1/28

# Application Fee Form

**Texas Commission on Environmental Quality**
Name of Proposed Regulated Entity: Purlsong Phase 1
Regulated Entity Location: SW of FM 2722 and State HWY 46
Name of Customer: SJWTX, Inc.
Contact Person: Aundrea Williams Phone: (218) 726-4520
Customer Reference Number (if issued): 602969396
Regulated Entity Reference Number (if issued): RN112110507

**Austin Regional Office (3373)**

☐ Hays ☐ Travis ☐ Williamson

**San Antonio Regional Office (3362)**

☐ Bexar ☐ Medina ☐ Uvalde
☒ Comal ☐ Kinney

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

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

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

**Site Location (Check All That Apply):**

☒ Recharge Zone ☐ Contributing Zone ☐ Transition Zone

| ***Type of Plan*** | ***Size*** | ***Fee Due*** |
|---|---|---|
| Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling | Acres | $ |
| Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks | Acres | $ |
| Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential | Acres | $ |
| Sewage Collection System | L.F. | $ |
| Lift Stations without sewer lines | Acres | $ |
| Underground or Aboveground Storage Tank Facility | 1 Tanks | $ 650 |
| Piping System(s)(only) | Each | $ |
| Exception | Each | $ |
| Extension of Time | Each | $ |

Signature: Date: October 15, 2025

# *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<br>5 < 10<br>10 < 40<br>40 < 100<br>100 < 500<br>≥ 500 | $1,500<br>$3,000<br>$4,000<br>$6,500<br>$8,000<br>$10,000 |
| Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur) | < 1<br>1 < 5<br>5 < 10<br>10 < 40<br>40 < 100<br>≥ 100 | $3,000<br>$4,000<br>$5,000<br>$6,500<br>$8,000<br>$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 |

Kimley»Horn

## *Check Payable to the "Texas Commission on Environmental Quality"*

Payment will be provided through TCEQ EPay once instructions are provided after the application is deemed administratively complete.

Kimley»Horn

# *Core Data Form*

TCEQ Use Only

# TCEQ Core Data Form

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

## SECTION I: General Information

**1. Reason for Submission** (*If other is checked please describe in space provided.*)

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

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

☒ Other — **New AST permit consisting of properties included in RN 112110507**

| **2. Customer Reference Number** *(if issued)* | Follow this link to search for CN or RN numbers in Central Registry** | **3. Regulated Entity Reference Number** *(if issued)* |
|---|---|---|
| **CN 602969396** | | **RN 112110507** |

## SECTION II: Customer Information

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

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts) **Customer information to be added. Original Customer information to remain.**

***The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).***

**6. Customer Legal Name** *(If an individual, print last name first: eg: Doe, John)* — *If new Customer, enter previous Customer below:*

SJWTX, Inc.

| **7. TX SOS/CPA Filing Number** | **8. TX State Tax ID** (11 digits) | **9. Federal Tax ID** (9 digits) | **10. DUNS Number** *(if applicable)* |
|---|---|---|---|
| 0800542934 | 12040132529 | | |

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

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

**13. Independently Owned and Operated?**
☐ **Yes** ☐ **No**

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

☐ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant
☒ Other: Customer will be owner and operator of subject site within listed regulated entity. New AST requested for subject site.

| **15. Mailing Address:** | PO BOX 1742 | | | | | | |
|---|---|---|---|---|---|---|---|
| | **City** | Canyon Lake | **State** | TX | **ZIP** | 78132 | **ZIP + 4** | 2247 |

| **16. Country Mailing Information** *(if outside USA)* | **17. E-Mail Address** *(if applicable)* |
|---|---|
| | aundrea.williams@txwaterco.com |

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

## SECTION III: Regulated Entity Information

**21. General Regulated Entity Information** *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information **No change to regulated Entity information.**

***The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).***

**22. Regulated Entity Name** *(Enter name of the site where the regulated action is taking place.)*

Purlsong Phase 1

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **23. Street Address of the Regulated Entity:** ***(No PO Boxes)*** | | | | | | | | |
| | **City** | | **State** | TX | **ZIP** | 78132 | **ZIP + 4** | |
| **24. County** | Comal | | | | | | | |

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

| **25. Description to Physical Location:** | Approximately 0.76 miles NW of the FM 2722 and State Highway 46 intersection | | | | |
|---|---|---|---|---|---|
| **26. Nearest City** | | | **State** | **Nearest ZIP Code** | |
| New Braunfels | | | TX | 78132 | |

***Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).***

| **27. Latitude (N) In Decimal:** | 29.7343 | | **28. Longitude (W) In Decimal:** | -98.2188 | |
|---|---|---|---|---|---|
| Degrees | Minutes | Seconds | Degrees | Minutes | Seconds |
| 29 | 44 | 3.48 | 98 | 12 | 58.6 |

| **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) |
|---|---|---|---|
| 1521 | 1611 | 236115 | 237310 |

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

Single Family Residential

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **34. Mailing Address:** | **211 N Loop 1604, STE 175** | | | | | | | |
| | **City** | **Canyon Lake** | **State** | **TX** | **ZIP** | **78132** | **ZIP + 4** | **2247** |
| **35. E-Mail Address:** | **colby.mullins@chesmar.com** | | | | | | | |

| **36. Telephone Number** | **37. Extension or Code** | **38. Fax Number** *(if applicable)* |
|---|---|---|
| **( 408 ) 314-9818** | | ( ) - |

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

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

## SECTION IV: Preparer Information

| **40. Name:** | Rachel Tackett | **41. Title:** | Project Engineer |
|---|---|---|---|

| **42. Telephone Number** | **43. Ext./Code** | **44. Fax Number** | **45. E-Mail Address** |
|---|---|---|---|
| (512) 271-6330 | | ( ) - | Rachel.tackett@Kimley-Horn.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:** | SJWTX, Inc. | **Job Title:** | President | |
|---|---|---|---|---|
| **Name** *(In Print):* | Aundrea Williams | | **Phone:** | (281) 726- 4520 |
| **Signature:** | Aundrea Williams | | **Date:** | 10/9/25 |

# Owner Authorization Form

***Edwards Aquifer Protection Program***

## *Instructions*

Complete the following form by adding the requested information in the fields below. The form must be notarized for it to be considered complete. Attach it to other programmatic submittals required by 30 Texas Administrative Code (30 TAC), Chapter 213, and provide it to TCEQ's Edwards Aquifer Protection Program (EAPP) as part of your application.

If you have questions on how to fill out this form or about EAPP, please contact us by phone at 512-339-2929 or by e-mail at eapp@tceq.texas.gov.

## *Landowner Authorization*

I, Danny Blue of Chesmar Homes, LLC

am the owner of the property located at:

A- 13 SUR-436 G ARNOLD, ACRES 99.775

and am duly authorized in accordance with 30 TAC 213.4(c)(2) and 213.4(d)(1), or 30 TAC 213.23(c)(2) and 213.23(d), relating to the right to submit an application, signatory authority, and proof of authorized signatory.

I do hereby authorize SJWTX, Inc.
To conduct Installation of AST
At SW of FM 2722 and State Hwy 46

## *Landowner Acknowledgement*

I understand that Chesmar Homes, LLC

Is ultimately responsible for the compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation even if the responsibility for compliance and the right to possess and control the property referenced in the application has been contractually assumed by another legal entity. I further understand that any failure to comply with any condition of the executive director's approval is a violation and subject to administrative rule or orders and penalties as provided under 30 TAC 213.10, relating to enforcement. Such violations may also be subject to civil penalties.

***Landowner Signature***

Landowner Signature

Date 11/4/25

THE STATE § OF Texas

County § of Bexar

BEFORE ME, the undersigned authority, on this day personally appeared

Danny Blue

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 4th day of November, 2025

NOTARY PUBLIC

ALLYSON WALTERS
Notary ID #129531158
My Commission Expires
April 13, 2026

Printed Name of Notary Allyson Walters

MY COMMISSION EXPIRES: 4/13/26

***Optional Attachments***

**Select All that apply:**

☐ Lease Agreement

☐ Signed Contract

☐ Deed Restricted Easement

☐ Other legally binding documents

# SECTION 7: ATTACHMENTS

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 3, 2025

Mr. Colby Mullins
Chesmar Homes, LLC
211 N Loop 1604 #175
San Antonio, Texas 78323

Re: Approval of a Water Pollution Abatement Plan (WPAP) for the Edwards Aquifer Protection Program
Purlsong Phase 1; Located SW of FM 2722 and SH 46; Comal County, Texas
Edwards Aquifer Protection Program ID: 13002046, Regulated Entity No. RN112110507

Dear Mr. Mullins:

The Texas Commission on Environmental Quality (TCEQ) has completed its review on the application for the above-referenced project submitted to the Edwards Aquifer Protection Program (EAPP) by Pape-Dawson Consulting Engineers, LLC on behalf of the applicant, Chesmar Homes, LLC on January 6, 2025. Final review of the application was completed after additional material was received on March 14, 2025 and March 27, 2025.

As presented to the TCEQ, the application was prepared in general compliance with the requirements of 30 Texas Administrative Codes (TAC) Chapter §213. The permanent best management practices (BMPs) and measures represented in the application were prepared by a Texas licensed professional engineer (PE). All construction plans and design information were sealed, signed, and dated by a Texas licensed PE. Therefore, the application for the construction of the proposed project and methods to protect the Edwards Aquifer are **approved,** subject to applicable state rules and the conditions in this letter.

**This approval expires two years from the date of this letter**, unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been officially requested. This approval or extension will expire, and no extension will be granted if more than 50 percent of the project has not been completed within ten years from the date of this letter.

The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer protection plan. A motion for reconsideration must be filed in accordance with 30 TAC §50.139.

## PROJECT DESCRIPTION

The proposed mixed-use project will have an area of approximately 157.55 acres. The project will include clearing, mass grading with stockpiles, excavation, installation of utilities and drainage improvements, and construction of 148 single-family residential lots and 6 multi-family condominium lots, consisting of 58 total condos, with associated streets, hardscapes, landscape, and site clean-up. The impervious cover will be 52.71 acres (33.46 percent). Project wastewater for the single-family residential lots will be disposed of by conveyance to the future Purlsong wastewater treatment plant. Project wastewater for the condominium lots will be disposed of by on-site sewage facilities. According to a letter dated, December 2, 2024, signed

by Robert Boyd, P.E., with Comal County, the site in the development is acceptable for the use of on-site sewage facilities.

## PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, two batch detention basins, three engineered vegetative filter strips, and five interim vegetative filter strips, designed using the TCEQ technical guidance, *RG-348, Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices,* will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 47,312 pounds of TSS generated from the 52.71 acres of impervious cover. The approved permanent BMPs and measures meet the required 80 percent removal of the increased load in TSS caused by the project.

**The permanent BMPS shall be operational prior to occupancy or use of the proposed project.** Inspection, maintenance, repair, and retrofit of the permanent BMPs shall be in accordance with the approved application.

## GEOLOGY

According to the Geologic Assessment (GA) included with the application, the surficial units of the site are the Kainer Formation, Austin Chalk, Eagle Ford Shale, and Buda Limestone. No sensitive geologic features were identified in the GA located within the project site boundaries. The site assessment conducted on February 27, 2025 by TCEQ staff determined the site to be generally as described by the GA.

## STANDARD CONDITIONS

1. The plan holder (applicant) must comply with all provisions of 30 TAC Chapter §213 and all technical specifications in the approved plan. The plan holder should also acquire and comply with additional and separate approvals, permits, registrations or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, Dam Safety, Underground Injection Control) as required based on the specifics of the plan.

2. In addition to the rules of the Commission, the plan holder must also comply with state and local ordinances and regulations providing for the protection of water quality as applicable.

Prior to Commencement of Construction:

3. Within 60 days of receiving written approval of an Edwards Aquifer protection plan, the plan holder must submit to the EAPP proof of recordation of notice in the county deed records, with the volume and page number(s) of the county record. A description of the property boundaries shall be included in the deed recordation in the county deed records. TCEQ form, Deed Recordation Affidavit (TCEQ-0625), may be used.

4. The plan holder of any approved Edwards Aquifer protection plan must notify the EAPP and obtain approval from the executive director prior to initiating any modification to the activities described in the referenced application following the date of the approval.

5. The plan holder must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the EAPP no later than 48 hours prior to commencement of the regulated activity. Notification must include the date on which the regulated activity will commence, the name

of the approved plan and program ID number for the regulated activity, and the name of the prime contractor with the name and telephone number of the contact person.

6. Temporary erosion and sedimentation (E&S) controls as described in the referenced application, must be installed prior to construction, and maintained during construction. Temporary E&S controls may be removed when vegetation is established, and the construction area is stabilized. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

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

<u>During Construction:</u>

8. This approval does not authorize the installation of temporary or permanent aboveground storage tanks on this project that will have a total storage capacity of five hundred gallons or more of static hydrocarbons or hazardous substances without prior approval of an Aboveground Storage Tank facility application.

9. If any sensitive feature is encountered during construction, replacement, or rehabilitation on this project, all regulated activities must be **immediately** suspended near it and notification must be made to TCEQ EAPP staff. Temporary BMPs must be installed and maintained to protect the feature from pollution and contamination. Regulated activities near the feature may not proceed until the executive director has reviewed and approved the methods proposed to protect the feature and the aquifer from potentially adverse impacts to water quality.

10. All water wells, including injection, dewatering, and monitoring wells shall be identified in the geologic assessment and must be in compliance with the requirements of the Texas Department of Licensing and Regulation 16 TAC Chapter §76 and all other locally applicable rules, as appropriate.

11. If sediment escapes the construction site, the sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50 percent. Litter, construction debris, and construction chemicals shall be prevented from becoming stormwater discharge pollutants.

12. Intentional discharges of sediment laden water are not allowed. If dewatering becomes necessary, the discharge must be filtered through appropriately selected BMPs.

13. The following records shall be maintained and made available to the executive director upon request: the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

14. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.

After Completion of Construction:

15. Owners of permanent BMPs and temporary measures must ensure that the BMPs and measures are constructed and function as designed. A Texas licensed PE must certify in writing that the **permanent** BMPs or measures were constructed as designed. The certification letter must be submitted to the EAPP within 30 days of site completion.

16. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property or the ownership of the property is transferred to the entity. A copy of the transfer of responsibility must be filed with the executive director through the EAPP within 30 days of the transfer. TCEQ form, Change in Responsibility for Maintenance on Permanent BMPs and Measures (TCEQ-10263), may be used.

The holder of the approved Edwards Aquifer protection plan is responsible for compliance with Chapter §213 and any condition of the approved plan through all phases of plan implementation. Failure to comply with any condition within this approval letter is a violation of Chapter §213 and is subject to administrative rule or orders and penalties as provided under §213.10 of this title (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. Upon legal transfer of this property, the new owner is required to comply with all terms of the approved Edwards Aquifer protection plan.

This action is taken as delegated by the executive director of the Texas Commission on Environmental Quality. If you have any questions or require additional information, please contact Mr. Joshua Vacek of the Edwards Aquifer Protection Program at 210-403-4028 or the regional office at 512-339-2929.

Sincerely,

Monica Reyes

Monica Reyes, Section Manager
Edwards Aquifer Protection Program
Texas Commission on Environmental Quality

MR/jv

cc: Ms. Jocelyn Perez, P.E.