UST FACILITY PLAN

Facility ID No.: *NA*

Select Stop #8
11980 Galm Road
San Antonio, TX

Prepared for:

Select Stop 8 Holding, LLC
4504 Night Owl Lane
Austin, Texas 78723

Prepared by:

GEO STRATA ENVIRONMENTAL CONSULTANTS, INC.
PO Box 830606
SAN ANTONIO, TEXAS 78283

Geo Strata Job # 1039-SA Other

REGISTERED CORRECTIVE ACTION SPECIALIST — RCAS #00093
EXP DATE 2/2026

Suzanne Green. P.G., Geo Strata Environmental Consultants

CORRECTIVE ACTION PROJECT MANAGER — CAPM #1550
P.G. License # 6511

Cheri Krieg, P.G.

July 2024

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- Attachment J – Schedule of Interim and Permanent Soil Stabilization Practices

APPENDIX E

Agent Authorization Form
Application Fee Form
Core Data Form

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

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

Administrative Review

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

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

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

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

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

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

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

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

Technical Review

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

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

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

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

Mid-Review Modifications

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

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

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

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

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

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

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

1. Regulated Entity Name: Select Stop 8					**2. Regulated Entity No.:**			
3. Customer Name: Select Stop 8 Holding, LLC					**4. Customer No.:**			
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):**		4.2	
9. Application Fee:	$650.00		**10. Permanent BMP(s):**					
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**		One 30,000-gallon UST			
13. County:	Bexar		**14. Watershed:**		Medina HUC-12100302			

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 ___Barton Springs/ Edwards Aquifer ___Hays Trinity ___Plum Creek	___Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	___Austin ___Buda ___Dripping Springs ___Kyle ___Mountain City ___San Marcos ___Wimberley ___Woodcreek	___Austin ___Bee Cave ___Pflugerville ___Rollingwood ___Round Rock ___Sunset Valley ___West Lake Hills	___Austin ___Cedar Park ___Florence ___Georgetown ___Jerrell ___Leander ___Liberty Hill ___Pflugerville ___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 _X_Trinity-Glen Rose	___Edwards Aquifer Authority	___Kinney	___EAA ___Medina	___EAA ___Uvalde
City(ies) Jurisdiction	___Castle Hills ___Fair Oaks Ranch ___Helotes ___Hill Country Village ___Hollywood Park _X_San Antonio (SAWS) ___Shavano Park	___Bulverde ___Fair Oaks Ranch ___Garden Ridge ___New Braunfels ___Schertz	NA	___San Antonio ETJ (SAWS)	NA

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

Cheri Krieg, P.G.

Print Name of Customer/Authorized Agent

Signature of Customer/Authorized Agent — Date: 7/8/24

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):	

Appendix A

TECQ-0587
General Information Form

General Information Form

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Cheri Krieg, P.G.

Date: 7/8/24

Signature of Customer/Agent:

Project Information

1. Regulated Entity Name: Select Stop #8, 11980 Galm Road, San Antonio, Texas
2. County: Bexar
3. Stream Basin: Medina River
4. Groundwater Conservation District (If applicable): Trinity - Glen Rose
5. Edwards Aquifer Zone:

   ☐ Recharge Zone
   ☒ Transition Zone

6. Plan Type:

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

7. Customer (Applicant):

   Contact Person: Akil Momin
   Entity: Select Stop #8
   Mailing Address: 4504 Night Owl Ln
   City, State: Austin, texas Zip: 78723
   Telephone: 512-299-8040 FAX: _____
   Email Address: amomin211@gmail.com

8. Agent/Representative (If any):

   Contact Person: Cheri Krieg, PG
   Entity: Geo Strata Environmental Consultants, Inc.
   Mailing Address: PO Box 830606
   City, State: San Antonio, TX Zip: 78283
   Telephone: 210-492-7282 FAX: _____
   Email Address: c.krieg@geostrata.com

9. Project Location:

   ☐ The project site is located inside the city limits of _____.
   ☒ The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of COSA.
   ☐ 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 Select Stop #8 will be located at 11980 Galm Road, San Antonio on the southwest corner of Galm Road and Oakwood Park.

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.

TCEQ-0587 Attachment A
Road Map

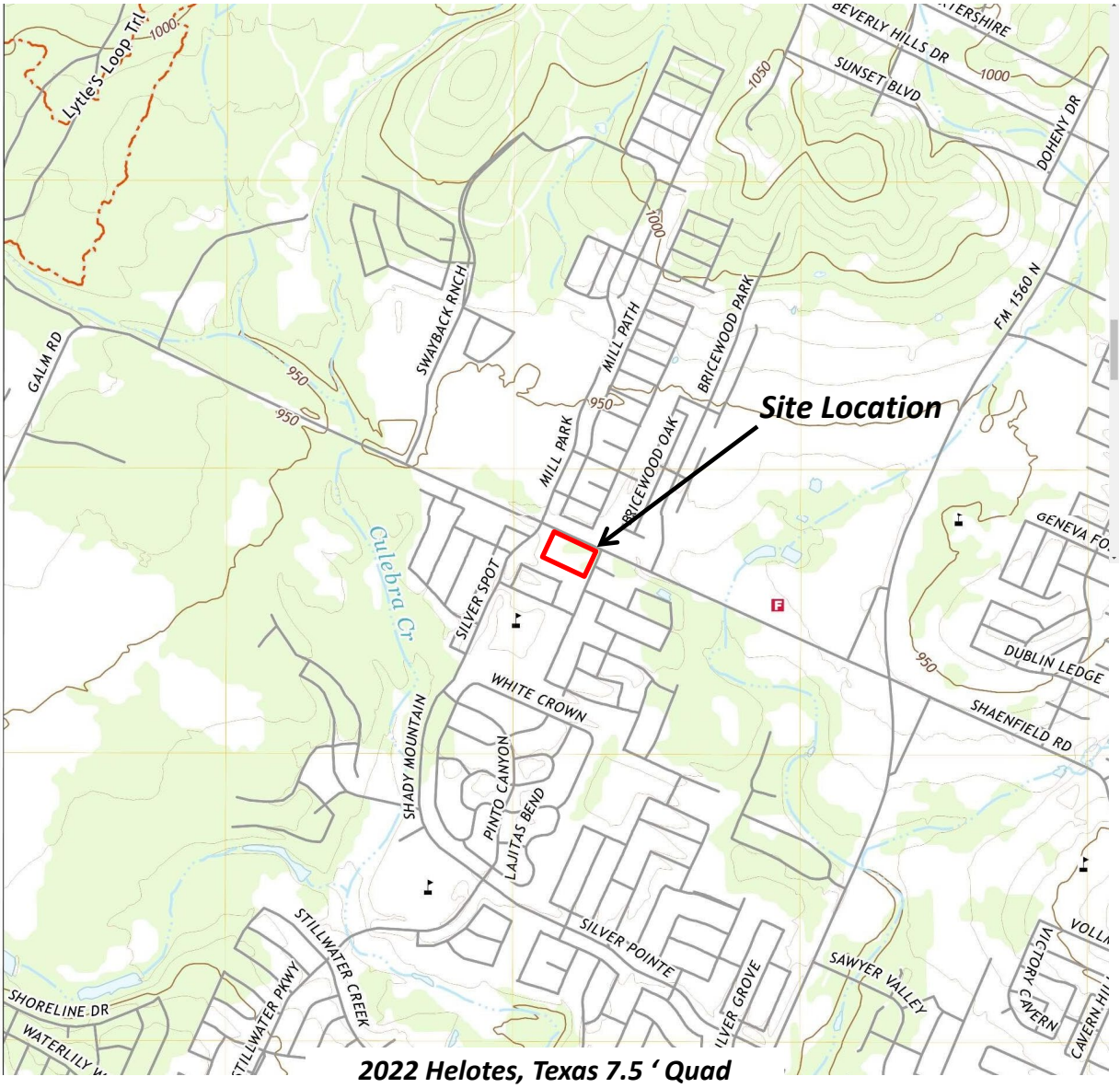
Geo Strata

TCEQ-0587 Attachment A
Road Map
Select Stop #8
11980 Galm Road
San Antonio, Texas

N
W
E
S

TCEQ-0587 Attachment B
USGS & Edwards Aquifer recharge Map

TCEQ-0587 Attachment Bi
USGS Map



2022 Helotes, Texas 7.5 ' Quad

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2

1000 500 0 METERS 1000 2000

1 0.5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

Geo Strata

TCEQ-0587 Attachment Bi
7.5 Minute USGS Quadrangle Map
Select Stop #8
11980 Galm Road
San Antonio, Texas

N
W E
S

TCEQ-0587 Attachment Bii
Edwards Aquifer Recharge Map – Small Scale

12/1/2023, 9:03:38 AM

1:24,000

0 500 1,000 2,000 ft

0 287.5 575 1,150 m

Edwards Aquifer Label

Edwards Aquifer Boundary

Edwards Aquifer Boundary central line

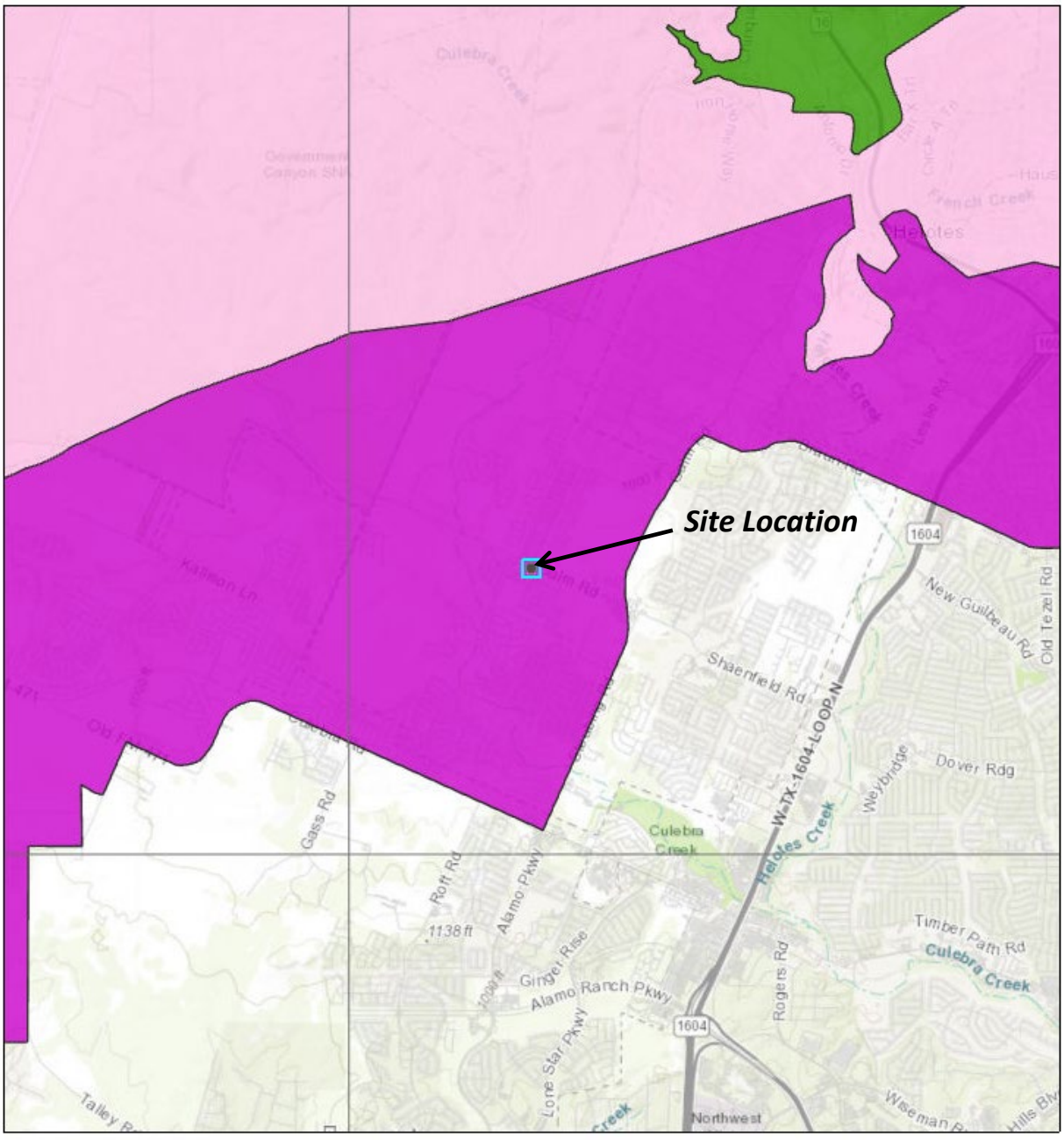
TCEQ, BCAD, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P

Geo Strata

TCEQ-0587 Attachment Bii
Edwards Aquifer Recharge Zone Map – Small Scale
Select Stop #8
11980 Galm Road
San Antonio, Texas

N
W E
S

TCEQ-0587 Attachment Biii
Edwards Aquifer Recharge Map – Large Scale



Geo Strata

TCEQ-0587 Attachment Biii
Edwards Aquifer Recharge Zone Map – Large Scale
Select Stop #8
11980 Galm Road
San Antonio, Texas

N
W E
S

TCEQ-0587 Attachment C

Project Description

General Information Form - TCEQ 0587
Attachment C – Project Description

Select Stop #8
11980 Galm Road
San Antonio, Texas

The proposed Select Stop #8 convenience store equipped with a single underground storage tank (UST), is to be located at 11980 Galm Road, San Antonio, Texas as shown in **Appendix A, TCEQ-0587 - Attachment A and Attachment Bi**. The facility is located over the Edwards Aquifer Transition Zone as shown on **Appendix A, TCEQ-0587 - Attachment Bii**. The approximately 4.272-acre property is currently developed with a single-family homestead residence built in 1940 with four additional misc. sheds constructed of wood and tin siding located in various areas of the property. A residential water well with a depth of 700-ft is noted in the Texas Water Development Board database. The water well was plugged and abandoned on May 23,2024. A copy of the State of Texas Plugging Report is included as **Attachment Ci.** The site vegetation consists primarily of native grasses and weeds with scattered live oak and mesquite trees. The proposed convenience store will be constructed following demolition of the existing structures. The new UST system will consist of a single UST with three compartments, which will be located at the western side of the property. A total of eight dispensers, will be located south of the UST tank hold and west of the convenience store. A Site Map of the facility is presented in **Appendix C, TCEQ-0583, Site Plan.**

Facility diagrams, UST system and containment schematics and manufactures product sheets are attached. Additionally, A description of proposed UST system specifications also detailed below.

The system will be comprised of (1) one double wall fiberglass reinforced plastic (FRP) coated steel tank. The tank will be 30k gallons in size split 20k, 5K and 5k for the storage of gasoline and diesel fuels. Each compartment will be fitted with a 2 hp submergible turbine pump (STP) for fuel delivery to eight (8) multi product dispensers (MPD). Overfill protection will be installed on all fill ports by an automatic shut off valve set at no more than 95% of the tank's capacity. Spill prevention in the form U.L. rated double wall spill containment manway will also be installed on all tight fill connections as well as on Stage 1 truck vapor adaptor connections.

Product and vent piping will be U.L. listed FRP piping. Product piping will be of double wall construction utilizing 2" diameter primary and 3" diameter secondary containment. There will be no underground terminations. All threaded connections will begin and terminate in containment sumps at dispensers and tanks. Stainless steel flexible connectors will be placed on both ends of pipe. Anchored shear valves for each product will be installed at all dispensers for fuel shut-off in the event of emergencies. Vent pipe will be 2" diameter single wall FRP. Unleaded and diesel fuels will have a dedicated vent line to prevent cross contamination of product.

Corrosion protection will be provided by several methods. The tanks will be jacketed with several layers FRP as well as incorporating dielectric bushings to isolate the tanks from all metal risers or pumps. All riser pipes will be coated and wrapped in dielectric material. Pumps, SS flexible connectors and any schedule 40 pipe fittings will be housed in liquid tight FRP STP sumps

as well as FRP UDC. (Under dispenser containment) No metal components will directly contact backfill or native material.

An automatic tank monitoring (ATG) system will be located in the store for client access to monitor the proposed tanks and piping. The ATG will monitor the fuel system for leaks by means of inventory control, continuous leak detection (CSLD), secondary containment monitoring and pressure line leak detection. Tanks to have interstitial sensors of double wall space. Sump sensors are to be installed on all STP containment sumps and UDC for detection of fuel or water. Tank gauging probes on each tank will provide inventory reports of each product. ATG will provide precision tank testing as required. Product lines will have electronic leak detection that will shut down fuel flow in the event a leak has been detected.

TCEQ-0587 Attachment Ci

State of Texas Plugging Report for Water Well

STATE OF TEXAS PLUGGING REPORT for Tracking #237895

Owner:	**Asif Maredia**	Owner Well #:	**No Data**
Address:	**5392 Hartley Square Schertz, TX 78106**	Grid #:	**68-27-7**
		Latitude:	**29° 31' 45.5" N**
Well Location:	**11980 Galm RD Helotes, TX 78023**	Longitude:	**098° 43' 45.5" W**
Well County:	**Bexar**	Elevation:	**No Data**

Well Type: **Domestic**

Drilling Information

Company: **No Data** Date Drilled: **No Data**

Driller: **No Data** License Number: **No Data**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	**6**	**0**	**653**

Plugging Information

Date Plugged: **5/23/2024** Plugger: **Darrell Hicks**

Plug Method: **Tremmie pipe cement from bottom to top**

Casing Left in Well:

Dia (in.)	Top (ft.)	Bottom (ft.)
6	**0**	**568**

Plug(s) Placed in Well:

Top (ft.)	Bottom (ft.)	Description (number of sacks & material)
0	**653**	**Cement 50 Bags/Sacks**

Certification Data: The driller certified that the driller plugged this well (or the well was plugged under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the reports(s) being returned for completion and resubmittal.

Company Information: **H & H Drilling**

203 Canyon Loop
Boerne, TX 78006

Driller Name: **Darrell Hicks** License Number: **5015**

Comments: **No Data**

Appendix B

TECQ-0585
Geologic Assessment Form

GEOLOGIC ASSESSMENT

For

PROPOSED SELECT STOP #8
11980 GALM ROAD
SAN ANTONIO, TEXAS

Prepared for

Select Stop 8 Holding LLC
4504 Night Owl Lane
Austin, TX 78723

Prepared by

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

PSI PROJECT NO.: 0435- 6092

November 28, 2023

Professional Service Industries, Inc.
3 Burwood Lane, San Antonio, TX 78216
Phone: (210) 342-9377
Fax: (512) 491-0221

November 28, 2023

Select Stop #8 Holding LLC
4504 Night Owl Lane
Austin, Texas 787273

Attn: Mr. Saffan Dhukka
Email: saffan91@gmail.com
Phone: (512)-216-8616

RE: **Geologic Assessment Report**
Proposed Select Stop #8
11980 Galm Rd
San Antonio, TX 78254
PSI Project No. 0435-6092

Dear Mr. Dhukka:

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 and Transition Zones (EARZ and EATZ). 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 by a signed copy of PSI Proposal PSI Proposal No. 0435-411851.

PROJECT DESCRIPTION
The subject site consists of an approximately 4.2-acre rectangular lot located at 11980 Galm Rd, San Antonio, Texas. The site vegetation consists primarily of native grasses and weeds with scattered live oak and mesquite trees. The subject site is currently developed as a single-family homestead residence built in 1940 with four additional misc. sheds constructed of wood and tin siding located in various areas on the property.

PHYSIOGRAPHY- GEOLOGY - HYDROGEOLOGY

Regional Physiography

From northwest to southeast, the three physiographic provinces in Bexar 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 Bexar 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 1100 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. The subject site lies within the Blackland Prairie physiographic province.

Geology and Soils

This report is based in part on PSI's review of the State of Texas, Bureau of Economic Geology, Texas Geologic Atlas, published 1982. The subject property lies on the Quaternary Leona (Qle) and Fluvitile Terrance Deposits (Qt) Formations. These formations consist of primarily gravel, sand, silt, and clay. Underlying the Quaternary deposits are Cretaceous aged limestones within various formations. No faults were noted on the geologic maps on or near the subject site, and there were no indications of faults or other geologic structural features on the maps. Additionally, there are no depictions of springs or related creeks onsite. See Attachment D for the area Geologic Map.

Soils at the site are the **Patrick soils (PaB),** 1-3% slopes, and the **Lewisville Silty Clay soils** (LvB), 1-3% slopes. The Patrick series consists of moderately deep to gravelly alluvium. These well drained soils formed in clay over gravelly alluvium derived from shale, claystone, or siltstone of Cretaceous Age. These nearly level to strongly sloping soils are on treads of stream terraces on dissected plains. The Lewisville series consists of very deep, well drained, moderately permeable soils that formed in ancient loamy and clayey calcareous sediments. These soils do not meet hydric criteria. Attachment D illustrates the site soils distribution.

Hydrogeology

The Edwards Aquifer Map (Attachment D), provided by the TCEQ, along with various other references were reviewed for this assessment. These Edwards Aquifer maps are based on official maps containing regulatory boundaries and on previous geologic studies and interpretations of the Edwards Aquifer zones, including recharge, transition, contributing, artesian and saline zones, as defined in 30 TAC 213. The elevation of the property ranges from approximately 944 feet above mean sea level (AMSL) on the west portion to approximately 941 feet above MSL on the east portion. The topographic contour lines for the property indicate a gentle slope to the east. The subject site is in the Edwards Aquifer Transition Zone of the Balcones Fault Zone Aquifer. Depths to usable groundwater in this area is approximately 650- 750 feet below grade. Although groundwater zones exist at shallower depths in the alluvial deposits above the Edwards aquifer they are not used for public or private supply. Attachment D illustrates the Edwards Aquifer transition zone aerial extent in area of the subject site.

SITE INVESTIGATION

The site investigation was performed by inspecting the subject area, and identifying any drainage features, 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 subject site and surrounding area are developed as residential subdivisions within the Edwards Aquifer transition zone of the Balcones Fault Zone Aquifer. The subject site is mostly an open area covered by grass and other vegetation along with scattered trees throughout. Surficial soils were noted on the surface and no outcrops of geologic formations were noted. There are no indications of fault/fracture zones and or evidence of springs or related creeks, ponds, etc. onsite. The only feature noted was a 700-foot-deep residential water well noted in the Texas Water Development Board database. This well was not located during the field survey, however, is plotted based on TWDB database location. The well location is shown as WW-1 on Attachment D – Geologic Features Map. The results of the site investigation are included in the attached TCEQ 0585 report format and the associated Geologic Assessment Table (Attachment A).

SUMMARY

This geologic recharge assessment did not identify any natural sensitive features or potential recharge features on the subject tract. Man-made features including the water well, do not warrant protective buffers, however, it is expected that this well will be properly plugged and abandoned. Based on review of the geologic maps, other resources, and the site reconnaissance, there does not appear to be evidence of subsurface faults or other geologic structural features.

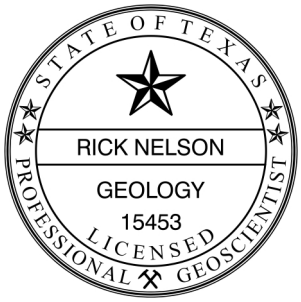
It is possible that future clearing/construction activities will reveal the presence of features currently hidden by thick vegetation and/or soil cover. If caves, sinkholes, or solution cavities are encountered during future clearing/construction activities, please contact our office for additional assistance.

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.

Rick Nelson

Rick Nelson, P.G.
Senior Scientist
Environmental Services



WARRANTY

The field observations and research reported herein are considered sufficient 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 the client for the site discussed herein. Reproductions of this report cannot be made without the expressed approval the client. The general terms and conditions under which this assessment was prepared apply solely to the client for this site. No other warranties are implied or expressed.

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: Rick Nelson Telephone: 512-636-1647

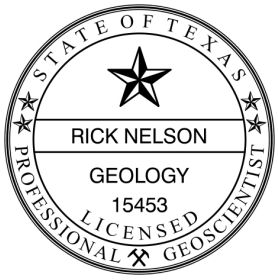
Date: 11/27/23 Fax: 210-342-9401

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

Signature of Geologist:

Rick Nelson

Regulated Entity Name: Select Stop 8 Holding LLC



Project Information

1. Date(s) Geologic Assessment was performed: 11/14/23
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)

Soil Name	Group*	Thickness(feet)
Patrick soils (PaB), 1 to 3 percent slopes,	B	1.5 - 2
Lewisville Silty Clay soil (LvB), 1 to 3% slopes,	B	1.5 - 2

** Soil Group Definitions (Abbreviated)*

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

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

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

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

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

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

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

   Applicant's Site Plan Scale: 1" = 100'
   Site Geologic Map Scale: 1" = 100'
   Site Soils Map Scale (if more than 1 soil type): 1" = 100'

9. Method of collecting positional data:

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

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

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

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

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

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

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

    ☒ There are 1 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
    - ☐ The wells are not in use and have been properly abandoned.
    - ☒ The wells are not in use and will be properly abandoned.
    - ☐ The wells are in use and comply with 16 TAC Chapter 76.

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

Administrative Information

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

GEOLOGIC ASSESSMENT TABLE PSI 0435-6092 **PROJECT NAME:** Select Stop #8

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	
WW-1	29.529444	-98.729167	MB	30	Ked	0.5	0.5	700					N	5	35	X		X		Flat

* 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

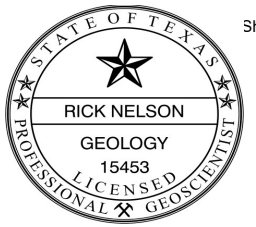
12 TOPOGRAPHY

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 11/27/23

Rick Nelson



Sheet 1 of 1

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

ATTACHMENT B

STRATIGRAPHIC COLUMN

Proposed Select Stop #8
11980 Galm Rd
San Antonio, TX 78254
PSI Project No. 0435-6055

FORMATION	THICKNESS	LITHOLOGIC DESCRIPTION
Fluvitile terrace deposits (Qt) Quaternary/Pleistocene	0-50 ft	Fluvatile terrace deposits of gravel, sand, silt, and clay adjacent to the Edwards Plateau.
Leona Formation (Qle) Quaternary/Pleistocene	0-50 ft	Fine calcareous silt grading into coarse gravel.

ATTACHMENT C

SITE GEOLOGIC NARRATIVE

Physiography

From northwest to southeast, the three physiographic provinces in Bexar 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 Bexar 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 1100 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. The subject site lies within the Blackland Prairie physiographic province.

Geology and Soils

This report is based in part on PSI's review of the State of Texas, Bureau of Economic Geology, Texas Geologic Atlas, published 1982. The subject property lies on the Quaternary Leona (Qle) and Fluvitile Terrance Deposits (Qt) Formations. These formations consist of primarily gravel, sand, silt, and clay. Underlying the Quaternary deposits are Cretaceous aged limestones within various formations. No faults were noted on the geologic maps on or near the subject site, and there were no indications of faults or other geologic structural features on the maps. Additionally, there are no depictions of springs or related creeks onsite. See Attachment D for the area Geologic Map.

Soils at the site are the **Patrick soils (PaB),** 1-3% slopes, and the **Lewisville Silty Clay soils** (LvB), 1-3% slopes. The Patrick series consists of moderately deep to gravelly alluvium. These well drained soils formed in clay over gravelly alluvium derived from shale, claystone, or siltstone of Cretaceous Age. These nearly level to strongly sloping soils are on treads of stream terraces on dissected plains. The Lewisville series consists of very deep, well drained, moderately permeable soils that formed in ancient loamy and clayey calcareous sediments. These soils do not meet hydric criteria. Attachment D illustrates the site soils distribution.

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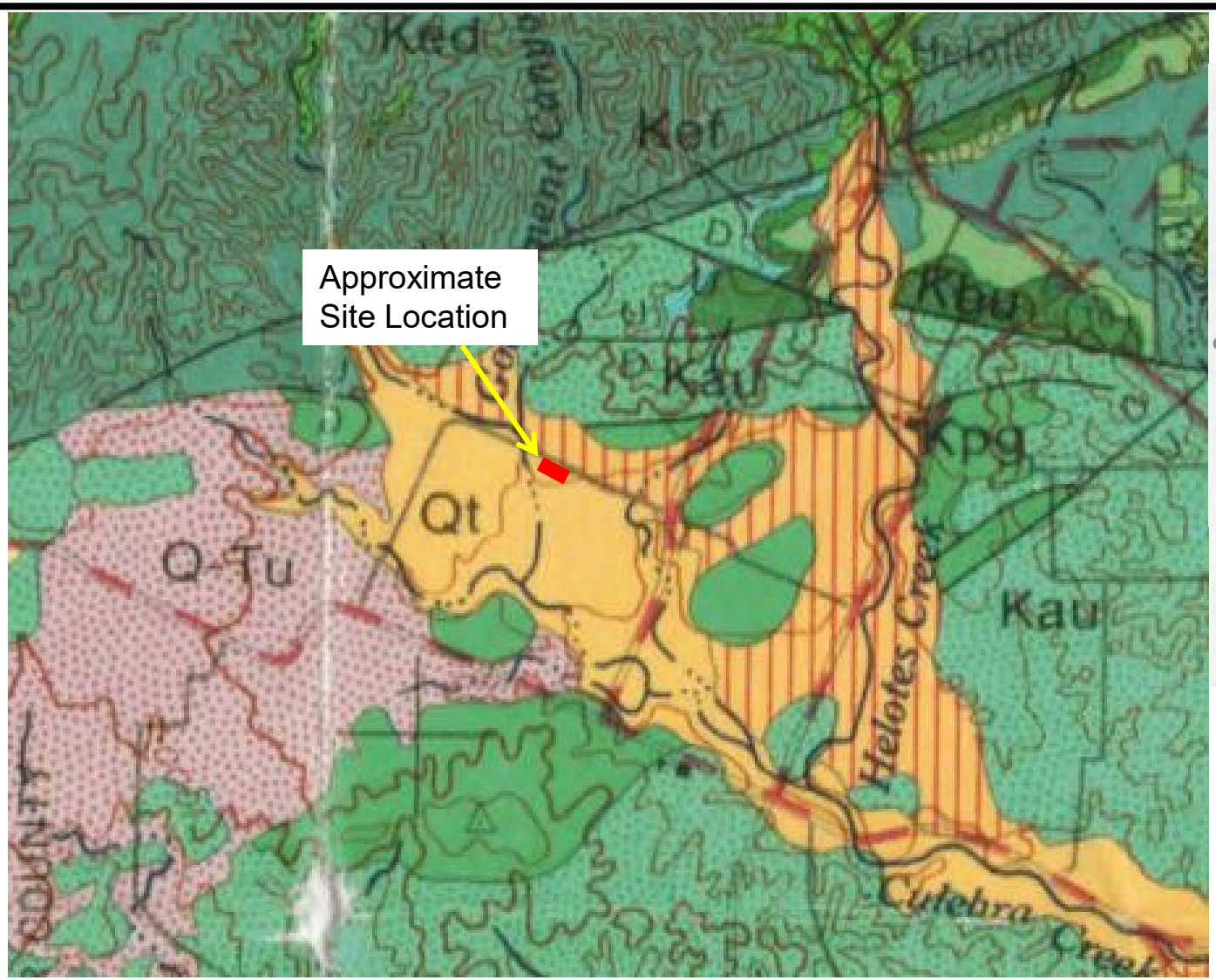


EXPLANATION

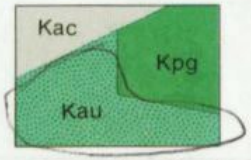
Qal — Alluvium

Qt — Fluviatile terrace deposits

Qu — Quaternary deposits undivided

Qle — Leona Formation

Q-Tu — Uvalde Gravel



Pecan Gap Chalk
Austin Chalk

intertek psi

3 Burwood Lane
San Antonio, Texas 782156

Area Geologic Map

Proposed Select Stop #8
11980 Galm Rd.
San Antonio, TX 78254
PSI Project No. 0435-6092

Source:
Geologic Atlas of Texas
San Antonio Sheet
Bureau of Economic
Geology, rev 1982

N

intertek psi

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

STATE OF TEXAS
RICK NELSON
GEOLOGY
15453
LICENSED
PROFESSIONAL GEOSCIENTIST

Rick Nelson

PROJECT NAME:

Proposed Select Stop #8
11980 Galm Rd
San Antonio, TX 78254
PSI Project No. 0435-6092

Geologic Feature Map

Key

Qle – Quaternary Leona Fm
Qt - Fluvitile Terrace Deposits

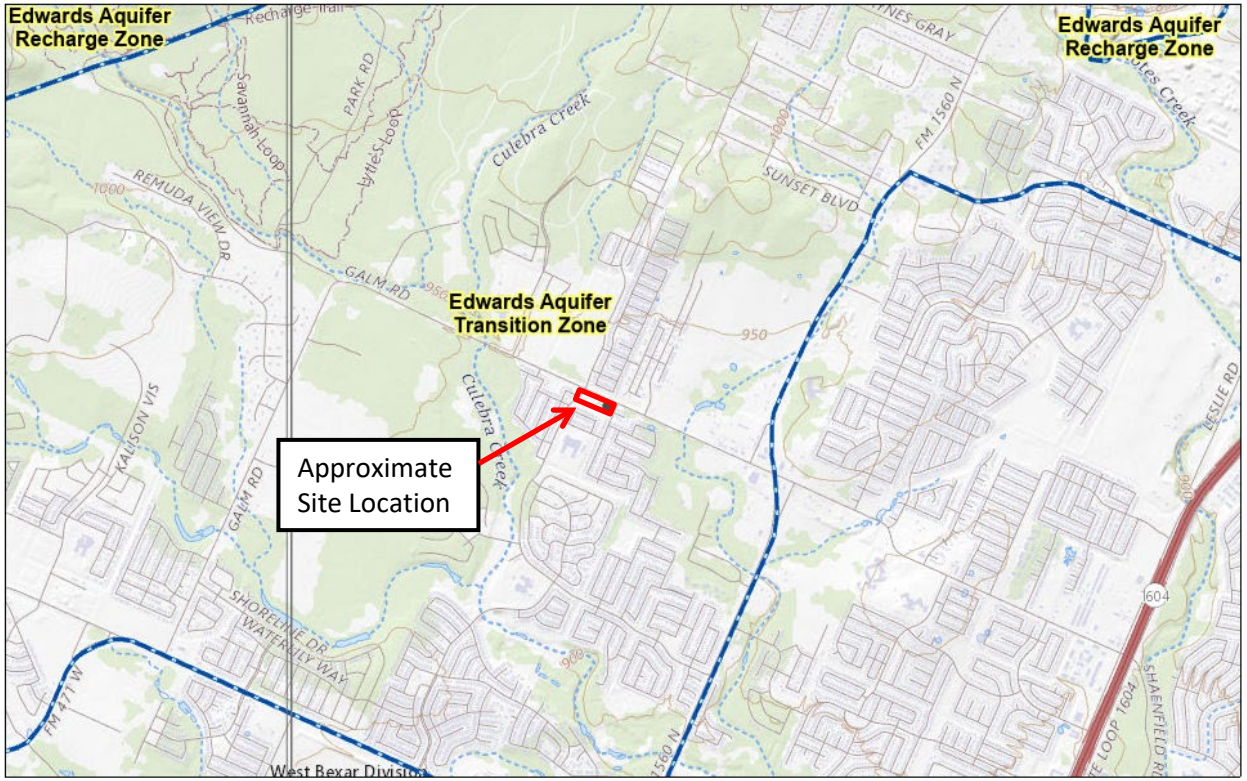
Water Well

N

Scale: 1" =100'

ATTACHMENT D

11980 Galm Rd. - Edwards Transition Zone Map



intertek psi

3 Burwood Lane
San Antonio, Texas 78216

Edwards Aquifer Recharge and Transition Zone

Proposed Select Stop #8
11980 Galm Rd
San Antonio, TX 78254
PSI Project No. 0435-6092

N

ATTACHMENT D

Soil Map—Bexar County, Texas
(11980 Galm Rd)

Map Scale: 1:1,710 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 25 50 100 150

Feet
0 50 100 200 300

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

MAP LEGEND

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

Soils
- Soil 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 1:24,000.

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

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

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

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

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

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

Soil Survey Area: Bexar County, Texas
Survey Area Data: Version 27, Aug 31, 2023

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

Date(s) aerial images were photographed: Dec 8, 2020—Dec 14, 2020

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
LvB	Lewisville silty clay, 1 to 3 percent slopes	3.8	32.9%
PaB	Patrick soils, 1 to 3 percent slopes, rarely flooded	7.7	67.1%
Totals for Area of Interest		**11.5**	**100.0%**

ATTACHMENT E

PHOTOGRAPHS

1. Open grassy area in center of site – view to the south

2. South property boundary – view to the west

3. East property boundary - view to the south

4. Central area of property - view to the southeast

5. South central portion of property – view to the southeast

6. View of Galm Road on the north boundary – view to the west

Appendix B

TECQ-0585
Addendum
Water Well Plugging Report

STATE OF TEXAS PLUGGING REPORT for Tracking #237895

Owner:	**Asif Maredia**	Owner Well #:	**No Data**
Address:	**5392 Hartley Square Schertz, TX 78106**	Grid #:	**68-27-7**
		Latitude:	**29° 31' 45.5" N**
Well Location:	**11980 Galm RD Helotes, TX 78023**	Longitude:	**098° 43' 45.5" W**
Well County:	**Bexar**	Elevation:	**No Data**

Well Type: **Domestic**

Drilling Information

Company: **No Data** Date Drilled: **No Data**

Driller: **No Data** License Number: **No Data**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	**6**	**0**	**653**

Plugging Information

Date Plugged: **5/23/2024** Plugger: **Darrell Hicks**

Plug Method: **Tremmie pipe cement from bottom to top**

Casing Left in Well:

Dia (in.)	Top (ft.)	Bottom (ft.)
6	**0**	**568**

Plug(s) Placed in Well:

Top (ft.)	Bottom (ft.)	Description (number of sacks & material)
0	**653**	**Cement 50 Bags/Sacks**

Certification Data: The driller certified that the driller plugged this well (or the well was plugged under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the reports(s) being returned for completion and resubmittal.

Company Information: **H & H Drilling**

203 Canyon Loop
Boerne, TX 78006

Driller Name: **Darrell Hicks** License Number: **5015**

Comments: **No Data**

Appendix C

TECQ-0583
Underground Storage Tank (UST) Facility Plan

Underground Storage Tank Facility Plan Application

Texas Commission on Environmental Quality

for Storage on the Edwards Aquifer Recharge and Transition Zones and Relating to 30 TAC §213.5(d), 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. All components used for this facility are U.L. listed or certified by a 3rd party and are compatible and will function pursuant to 30 TAC §213.5(d) and 30 TAC Chapter 334 Subchapter C. This **Underground 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: Cheri Krieg P.G.

Date: 7/8/24

Signature of Customer/Agent:

Regulated Entity Name: Select Stop #8

Underground Storage Tank (UST) System Information

1. ☒ **Attachment A – Detailed Narrative of UST Facility**. A detailed narrative description of the proposed UST Facility is attached. Note: Example descriptions are provided in the instructions (TCEQ-0583-Instructions)

2. Tanks and substance to be stored:

Table 1 - Tanks and Substances Stored

UST Number	*Size(Gallons)*	*Substance to be Stored*	*Double-wall Tank Material*
1	30k	Gasoline / Diesel	FRP over steel

UST Number	*Size(Gallons)*	*Substance to be Stored*	*Double-wall Tank Material*
2			
3			
4			
5			

3. Tanks:

☒ **Attachment B – Manufacturer Information for Tanks**. New or replacement systems for the underground storage of static hydrocarbons or hazardous substances must be double-walled or provide an equivalent method of protection approved by the executive director. Tanks must comply with technical standards as required by 30 TAC 334.45(b) relating to technical standards for new tanks. Manufacturer information is attached.

☐ **Attachment C – Alternative Design and Protection Method for Tanks**. Information required by 30 TAC 334.43, relating to variances and alternative procedures is attached.

4. Piping:

☒ **Attachment D – Manufacturer Information for Piping**. Piping must comply with technical standards as required by 30 TAC 334.45(c) relating to technical standards for new piping. Manufacturer information is attached.

☐ **Attachment E – Alternative Design and Protection Method for Piping**. Information required by 30 TAC 334.43, relating to variances and alternative procedures is attached.

5. ☒ Any new underground storage tank system that does not incorporate a method for tertiary containment shall be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature as required by 30 TAC §213.5(d)(1)(B).

☒ The UST system(s) will not be installed within 150 feet of a domestic, industrial, irrigation, or public water supply well, or other sensitive feature.

☐ **Attachment F - Tertiary Containment Method**. The UST system(s) will be required to have tertiary containment provided. A description of the method proposed to provide tertiary containment is attached.

6. ☒ Corrosion protection equipment to be installed or type of non-corrodible materials:

Table 2 - Corrosion Protection

Equipment	*Corrosion Protection (Method)*
Tanks	FRP Jacketed
Product Delivery Piping	Non-corrodible materials

Equipment	*Corrosion Protection (Method)*
Vapor Recovery Piping	NA
Submersible Pumps	Isolated containment sump
Flex Connector (dispenser end)	Isolated UDC
Flex Connector (pump end)	Isolated containment sump
Riser	Dielectric bushing / coated & wrapped

7. ☒ Overfill protection equipment to be installed:

   ☐ Overfill prevention restrictor positioned at 90% capacity.
   ☒ Overfill prevention valve positioned at 95% capacity.
   ☒ Overfill audible and visual alarm positioned at 90% capacity.

8. ☒ Methods for detecting leaks in the inside wall of a double-walled system must be included in the facility's design and construction. The leak detection system must provide continuous monitoring of the system and must be capable of immediately alerting the system's owner of possible leakages. Release detection equipment to be installed: (Check all that apply)

   ☒ Central on-site monitor
   ☒ Interstitial tank probes
   ☒ Automatic tank gauge
   ☒ Pump/manway sump probes
   ☐ Observation well probes
   ☒ Mechanical line leak detectors (for pressurized lines only)
   ☐ Automatic (electronic) line leak detectors

Excavation and Backfill

9. ☒ The depth of the tank excavation will be sufficient to accommodate piping fall requirements, tank diameter, bedding, and a minimum cover of three (3) feet [30 TAC §334.46].

   The depth of the tank excavation will be 15 feet.

10. ☒ The minimum thickness of the tank bedding will conform to 30 TAC §334.46(a)(5)(C and D).

    The tank bedding thickness will be 12 inches.

11. ☒ The material to be used as backfill will conform to 30 TAC §334.46(a)(5)(A and B) and will consist of:

    ☐ Clean washed non-corrosive sand
    ☐ Pea gravel
    ☒ Crushed rock
    ☐ Other: _____

12. ☒ The slope of the product delivery line(s) will conform to 30 TAC §334.46(c)(2) and will be 1/8" (1/8" per foot minimum).

Site Plan Requirements

Items 13 - 24 must be included on the Site Plan.

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

    Site Plan Scale: 1" = 60ft.

14. 100-year floodplain boundaries:

    ☒ The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA Risk Map Online Viewer 11/29/2023

    ☐ 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.

15. ☐ 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.

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

    ☒ There are 1(#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply)

    ☒ The wells are not in use and have been properly abandoned.
    ☐ The wells are not in use and will be properly abandoned.
    ☐ The wells are in use and comply with 16 TAC §76.

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

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

18. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.

19. ☒ Areas of soil disturbance and areas which will not be disturbed.

20. ☒ Locations of major structural and nonstructural controls. These are the temporary best management practices.

21. ☒ Locations where soil stabilization practices are expected to occur.

22. ☐ Surface waters (including wetlands).

☒ N/A

23. ☐ Locations where stormwater discharges to surface water or sensitive features.

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

24. ☒ Legal boundaries of the site are shown.

UST System Profiles

25. ☒ **Attachment H - Profile Drawing(s)**. A profile drawing(s) of the proposed UST system with all components shown and labeled is attached.

Best Management Practices

26. ☒ **Attachment I - Initial and Continuing Training**. A description of the initial and continuing training of on-site personnel for operation of release detection equipment is attached. The description should include how personnel will respond to warning and alarm conditions of the leak detection monitoring system.

27. ☒ **Attachment J - Release Detection Maintenance**. A description of the program and schedule for maintaining release detection and cathodic protection equipment is attached. Any such equipment should be operated and maintained in accordance with the manufacturer's specifications and instructions.

Administrative Information

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

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

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

☐ 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 UST 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).

29. ☒ UST systems must be installed by a person possessing a valid certificate of registration in accordance with the requirements of 30 TAC Chapter 334 Subchapter I.

30. ☒ This facility is subject to and must meet the requirements of 30 TAC Chapter 334, including but not limited to the 30 day construction notification and reporting and cleanup of surface spills and overfills.

31. ☒ Upon completion of the tankhold excavation, a geologist must certify that the excavation was inspected for the presence of sensitive features. The certification must be submitted to the appropriate regional office. If sensitive features are found, then excavation near the feature may not proceed until the methods to protect the Edwards Aquifer are reviewed and approved by the executive director.

32. ☒ 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.

33. ☒ Any modification of this UST application will require TCEQ approval, prior to construction, and may require submission of a revised application, with appropriate fees.

TCEQ-0583 Attachment A

Detailed Narrative of UST Facility

Attachment A – Detailed Narrative of UST Facility

Date: 11/03/2023
Project Name: Select Stop #8
Location: 11980 Galm Rd / San Antonio, TX

The above-mentioned facility is to be the new construction of a convenience store with an underground hydrocarbon storage system for retail sales of gasoline.

The system will be comprised of (1) one double wall fiberglass reinforced plastic (FRP) coated steel tank. The tank will be 30k gallons in size split 20k, 5K and 5k for the storage of gasoline and diesel fuels.

Each compartment will be fitted with a 2hp submergible turbine pump (STP) for fuel delivery to (8) eight multi product dispensers (MPD). Overfill protection will be installed on all fill ports by an automatic shut off valve set at no more than 95% of the tank's capacity. Spill prevention in the form U.L. rated double wall spill containment manway will also be installed on all tight fill connections as well as on Stage 1 truck vapor adaptor connections.

Product and vent piping will be U.L. listed FRP piping. Product piping will be of double wall construction utilizing 2" diameter primary and 3" diameter secondary containment. There will be no underground terminations. All threaded connections will begin and terminate in containment sumps at dispensers and tanks. Stainless steel flexible connectors will be placed on both ends of pipe. Anchored shear valves for each product will be installed at all dispensers for fuel shut-off in the event of emergencies.
Vent pipe will be 2" diameter single wall FRP. Unleaded and diesel fuels will have a dedicated vent line to prevent cross contamination of product.

Corrosion protection will be provided by several methods. The tanks will be jacketed with several layers FRP as well as incorporating dielectric bushings to isolate the tanks from all metal risers or pumps. All riser pipes will be coated and wrapped in dielectric material. Pumps, SS flexible connectors and any schedule 40 pipe fittings will be housed in in liquid tight FRP STP sumps as well as FRP UDC. (Under dispenser containment)
No metal components will directly contact backfill or native material.

An automatic tank monitoring (ATG) system will be located in the store for client access to monitor the proposed tanks and piping. The ATG will monitor the fuel system for leaks by means of inventory control, continuous leak detection (CSLD), secondary containment monitoring and pressure line leak detection. Tanks to have interstitial sensors of double wall space. Sump sensors are to be installed on all STP containment sumps and UDC for detection of fuel or water. Tank gauging probes on each tank will provide inventory reports of each product. ATG will provide precision tank testing as required. Product lines will have electronic leak detection that will shut down fuel flow in the event a leak has been detected.

TCEQ-0583 Attachment B

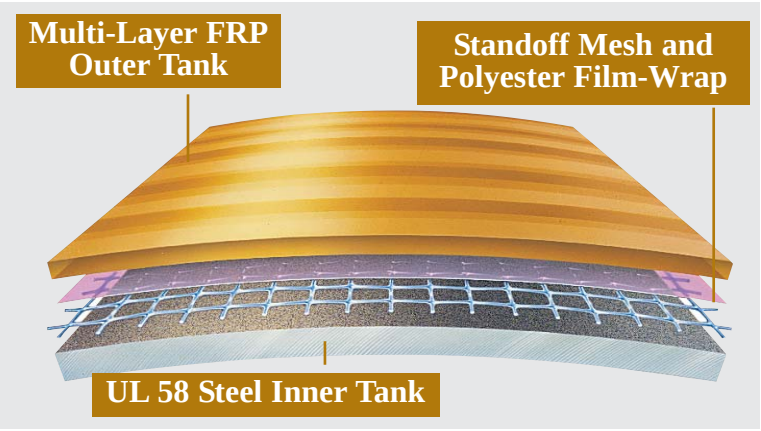
Manufacturer Information for Tanks

PERMATANK®
DOUBLE—WALL
Steel Tank Institute
QUALITY ASSURANCE

THE PERMATANK® DOUBLE-WALL JACKETED UNDERGROUND STORAGE TANK FEATURES AN INNER STEEL TANK COUPLED WITH AN EXTERIOR CORROSION-RESISTANT FIBERGLASS TANK. A UNIQUE STANDOFF MATERIAL SEPARATING THE INNER AND OUTER TANKS CREATES A UNIFORM INTERSTITIAL SPACE ENSURING RAPID AND ACCURATE LEAK DETECTION.

- Steel inner tank provides complete compatibility with all common fuels and clean burning (oxygenated) liquid blends without added cost of internal lining
- Meets UL 58, UL 1746 and ULC-S603.1
- Includes a Precision Test System, which meets EPA leak detection requirements for underground storage tanks, with the ability to detect liquid in the interstice at the rate of <0.1 gal/hr
- Permatank® can be used with a variety of leak detection systems
- All tanks proven tight throughout installation by interstitial vacuum test - 13 inches Hg minimum
- Impermeable to petroleum product and vapors
- Steel inner tank provides structural strength, while it's exterior wall of fiberglass reinforced plastic prevents corrosion

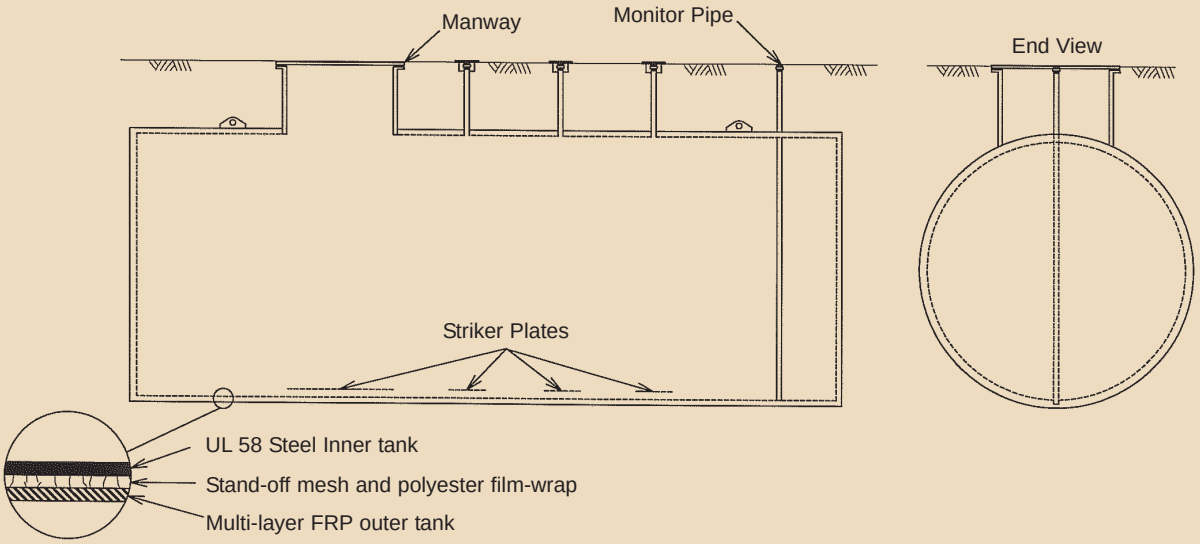
Meets EPA Leak Detection Requirements for Underground Storage Tanks



- Steel is the green choice - it is capable of being recycled after tank closure
- Designed shorter than an all-FRP tank of the same capacity, reducing the cost of installation and increasing site layout flexibility
- Low cost compartments and customization
- Various backfill options can allow money-saving installation
- Available from a large network of STI licensed manufacturers

The Permatank® is available from an extensive group of STI fabricators who participate in the Steel Tank Institute's Quality Assurance Program. Under the program, independent quality control inspectors make unannounced visits to STI members, ensuring fabrication to the highest possible standards.

Permatank® Double-Wall Jacketed Underground Steel Storage Tanks



- **Steel Tank Institute Permatank® and UL Labeled**
- **Compatible with alternative fuels**
- **Striker plates beneath tank openings prevent internal corrosion**
- **Flat ends reduce installation costs**
- **Provides safe and effective secondary containment**
- **Capacities range up to 50,000 gallons**

Permatank® Guideline Specification

A) General

1. Provide Permatank® double-wall jacketed steel-fiberglass underground storage tanks.

B) Labeling

1. Tanks shall bear the Steel Tank Institute Permatank® identification label.
2. Underground tanks shall bear the appropriate Underwriters Laboratories (UL) or Underwriters Laboratories of Canada (ULC) label.

C) Product Description

1. Tanks shall be manufactured in accordance with Steel Tank Institute Specification for Permatank®.
2. Tanks shall be manufactured and listed in accordance with Underwriters Laboratories UL 58, Steel Underground Storage Tanks for Flammable and Combustible Liquids and UL 1746, External Corrosion Protection Systems for Steel Underground Storage Tanks or ULC-S603.1, Standard for Corrosion Protection for Steel Underground Tanks for Flammable and Combustible Liquids.
3. Double-wall tanks shall provide testable secondary containment and access for interstitial leak detection monitoring.

D) Manufacturer

1. Manufacturer shall be a licensed member company of the Steel Tank Institute and subject to Steel Tank Institute's Quality Assurance program.

Use the STI Technology Guide online for your next Permatank® specification!

All you need in tanks!

A division of STI / SPFA
570 Oakwood Road Lake Zurich, IL 60047 Ph 847.438.8265 Fx 847.438.8766 Web www.steeltank.com

5/06-2.5M-Item #030-50-0002

TCEQ-0583 Attachment D

Manufacturer Information for Piping

Red Thread™ IIA

(Product Data)

FUEL HANDLING

Applications

- Service Station
- Vent/Vapor Recovery
- Bulk Plant Terminals
- Fueling Terminals
- Central Fuel Oil Systems
- Marinas Terminals
- Ethanol Fuel Blends
- Biodiesel Fuel
- Diesel Exhaust Fluid
- UL/ULC Systems that require MV, HB, CT, A&M Fuels

Materials and Construction

All pipe is manufactured by filament winding process using amine-cured epoxy thermosetting resin to impregnate strands of continuous glass filaments with a resin-rich interior surface. The operating pressure of the pipe is up to 250 psig (17.2 bar) with continuous operating temperature to 150°F (66°C).

Red Thread IIA is Listed with Underwriters Laboratories Standard 971-2004 for non-metallic underground piping for motor vehicle (MV), high blend (HB), concentrated (CT) and aviation and marine (A&M) fuels. The pipe and fittings are also Listed with Underwriters Laboratories of Canada with both Listings under File MH9162.

Fittings

Fittings are manufactured with the same chemical and temperature capabilities as the pipe. Depending on the configurations and size, the fittings construction method will be compression molded, contact molded, fabricated or filament wound and are described in FH1250.

Testing

Installed pipe systems should be tested prior to use to assure soundness of all joints and connections. Locate pressure gauge in close proximity to the pressurizing equipment, not directly on the piping system. A pressure gauge with the test pressure at mid-scale is recommended.

Joining System

- **T.A.B.™** - The primary joining method for pipe joints promoting fast, positive make-up and prevents "backout" during curing.
- **Bell & Spigot** - The primary joining method for fitting joints.

These joints assist the installer and assures a fast trouble-free installation. Adhesive for this system is Series 8000. T.A.B. spigots can be bonded into tapered bells and tapered spigots can be Bonded into T.A.B. bells using standard bonding procedures for tapered joints.

ASTM D2996 Designation Code - RTRP-11AW13110

Nominal Dimensional Data

Pipe Size		Inside Diameter		Outside Diameter		Wall Thickness		Weight		Pressure/ Temperature Max. Rating at 150°F (66°C)		Mill Test Pressure		Minimum Bending Radius	
in	mm	in	mm	in	mm	in	mm	lbs/ft	kg/m	psig	MPa	psig	MPa	ft	m
2	50	2.238	57	2.372	60	0.067	1.70	0.42	0.63	250	1.72	375	2.59	102	31.0
3	80	3.363	85	3.559	90	0.098	2.49	0.92	1.37	175	1.21	300	2.07	153	46.5
4	100	4.364	111	4.554	116	0.095	2.41	1.15	1.71	125	0.86	265	1.83	195	59.5
6	150	6.408	163	6.686	170	0.139	3.53	2.47	3.68	20	0.14	265	1.83	287	87.4

View of Joint Illustrations

T.A.B.

Bell & Spigot

Typical Mechanical Properties

Pipe Property	75°F	24°C	200°F	93°C	Method
	psi	MPa	psi	MPa	
Axial Tensile					
Ultimate Stress	9,530	65.7	6,585	45.4	ASTM D2105
Modulus of Elasticity	1.68×10^6	11,584	1.42×10^6	9,791	ASTM D2105
Poisson's Ratio, ν_{ah} (ν_{ha})[1]	0.35 (0.61)				
Axial Compression					
Ultimate Stress	12,510	86.3	8,560	59.0	ASTM D695
Modulus of Elasticity	0.677×10^6	4,668	0.379×10^6	2,613	ASTM D695
Beam Bending					
Modulus of Elasticity (Long Term)	2.6×10^6	17,927	0.718×10^6	4,951	ASTM D2925
Hydrostatic Burst					
Ultimate Hoop Tensile Stress	40,150	277	36,480	252	ASTM D1599
Hydrostatic Hoop Design Stress					
Static 20 Year Life LTHS - 95% LCL	-	-	18,203 - 14,689	125.5 - 101.3	ASTM D2992 - Procedure B
Static 50 Year Life LTHS - 95% LCL	-	-	16,788 - 13,142	115.7 - 90.6	ASTM D2992 - Procedure B
Parallel Plate					
Hoop Modulus of Elasticity	3.02×10^6	20,822	-	-	ASTM D2412
Shear Modulus	1.76×10^6	12,135	1.63×10^6	11,250	-

Typical Physical Properties

Pipe Property	Value	Value	Method
Thermal Conductivity	0.23 BTU/hr•ft•°F	0.4 W/m°C	ASTM D177
Thermal Expansion	10.7×10^{-6} in/in °F	19.3×10^{-6} mm/mm °C	ASTM D696
Absolute Roughness	0.00021 in	0.00053 mm	
Specific Gravity	1.8		ASTM D792

[1] ν_{ha} = The ratio of axial strain to hoop strain resulting from stress in the hoop direction.
ν_{ah} = The ratio of hoop strain to axial strain resulting from stress in the axial direction.

[2] The differential pressure between internal and external pressure which causes collapse.

[3] A 0.67 design factor is recommended for short duration vacuum service. A full vacuum is equal to 14.7 psig (0.101 MPa) differential pressure at sea level.

[4] A 0.33 design factor is recommended for sustained (long-term) differential collapse pressure design and operation.

Ultimate Collapse Pressure

Size		Collapse Pressure[2][3][4]			
		psig		MPa	
in	**mm**	**75°F**	**150°F**	**24°C**	**66°C**
2	50	177	133	1.22	0.92
3	80	171	129	1.18	0.89
4	100	69	51	0.48	0.35
6	150	69	51	0.48	0.35

Pipe Length

Size		Standard		Random	
in	**mm**	**ft**	**m**	**ft**	**m**
2-6	50-150	15	4.57	22-25	6.7-7.62

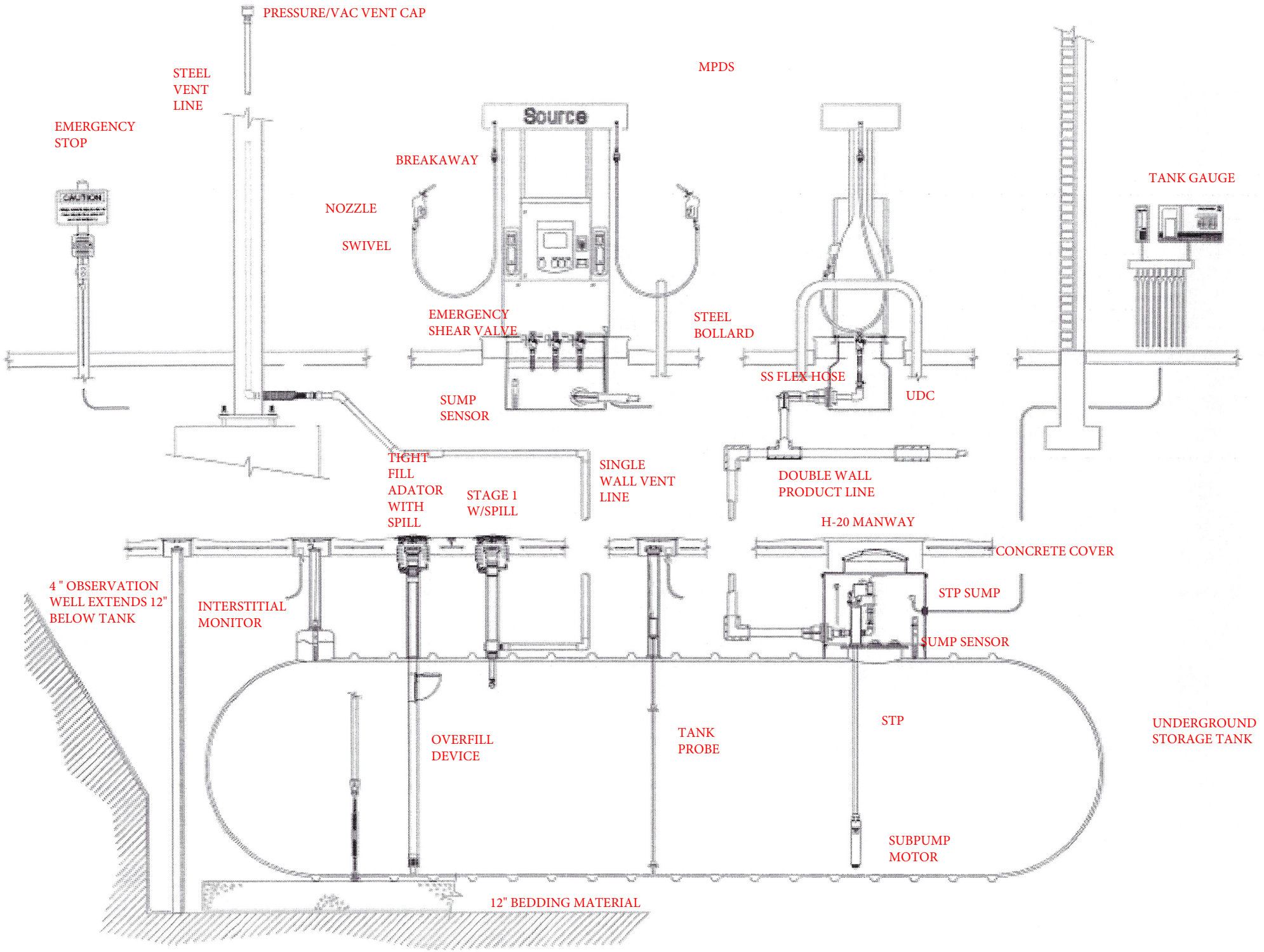
FH1200ENG February 2017

Fiber Glass Systems
17115 San Pedro Avenue, Ste 200
San Antonio, Texas 78232 USA
Phone: 210 477 7500
Fax: 210 477 7560

c UL us LISTED

TCEQ-0583 Attachment H

Profile Drawing


PRESSURE/VAC VENT CAP
STEEL VENT LINE
EMERGENCY STOP
MPDS
BREAKAWAY
NOZZLE
SWIVEL
EMERGENCY SHEAR VALVE
STEEL BOLLARD
TANK GAUGE
SUMP SENSOR
SS FLEX HOSE
UDC
TIGHT FILL ADATOR WITH SPILL
STAGE 1 W/SPILL
SINGLE WALL VENT LINE
DOUBLE WALL PRODUCT LINE
H-20 MANWAY
CONCRETE COVER
4 " OBSERVATION WELL EXTENDS 12" BELOW TANK
INTERSTITIAL MONITOR
STP SUMP
SUMP SENSOR
OVERFILL DEVICE
TANK PROBE
STP
UNDERGROUND STORAGE TANK
SUBPUMP MOTOR
12" BEDDING MATERIAL

TCEQ-0583 Attachment I

Initial and Continuing Training

Attachment I – Initial and Continuing Training
Underground Storage Tanks & Associated Equipment

Location: Select Stop #8
Address: 11980 Galm Road, San Antonio, Texas

Employee Training: All employees must receive periodic training on proper handling of hazardous substances, spill prevention practices, and emergency response procedures. Training must include at least one competent person per every fifty employees taking a TCEQ approved Class A and Class B UST Facility Operators Course. This individual can then train any employees of the facility in safety operation and procedures. Training must include a review of the spill prevention and emergency response plan, and a review of location and use of monitoring equipment.
Equipment must include tank monitor, spill/overfill and leak detection. Training can be recorded though safety committee meetings, staff training logs, or other equivalent record keeping.

What to look for:
Every 30 days, check your spill prevention equipment and your release detection equipment. Check your containment sumps and any handheld release detection equipment.

If the Tank monitoring system is in alarm, contact the store owner or manager and report the alarm ASAP. Take the appropriate action as instructed by the A&B Operator of that facility. The local authorized service company and or fire department may also need to be notified.
Annually the electronic and mechanical components of release detection equipment must be tested for proper operation:
A detailed list can be found in the **Release Detection Maintenance** form – Attachment I

Reporting a Release: If a hazardous substance spill has been released to **soil, surface water, drains** or **air** the following notifications must be performed:

- **Fire Department** - Any release that poses an immediate threat to human health, property, or the environment.
- **State of Texas Spill Reporting Hotline** – Texas state law requires all oil and hazardous substance releases to be reported as soon as the person has knowledge of the discharge.
- **TCEQ Regional Office** – Reportable quantity on land >25 gallons and enough to create a sheen when spilled directly into water.

Stop, contain, and clean up the chemical spill if:

- The spill and its hazardous properties have been identified.
- The spill is small and easily contained.
- Responder is aware of hazardous properties of spilled substances.

TCEQ-0583 Attachment J

Release Detection Maintenance

Attachment J – Release Detection Maintenance

Date: December 1, 2023
Project Name: Select Stop #8
Location: 11980 Galm Road, San Antonio, Texas

Every 30 days, check your spill prevention equipment and your release detection equipment. Annually, check your containment sumps and any handheld release detection equipment.

When conducting the walkthrough inspection, check the following:

Spill prevention equipment

- Check for damage.
- Remove any liquids or debris (properly dispose of)
- Check and remove any fill pipe obstructions.
- Clean any spill bucket drains and check for proper operation.
- Check the fill cap to insure it is securely on fill pipe.
- Check interstitial area on any double walled spill prevention equipment with interstitial monitoring.

Release detection equipment

- Ensure it is operating w/no alarms.
- Ensure records of release detection testing are reviewed and current.
- Make copies of results printed on thermal paper for long term storage.

Containment Sumps

- Check for damage, leaks into the containment area or release to the environment.
- Remove any liquid or debris (properly dispose of)
- Check interstitial area of any double wall containment sumps.

Handheld release detection equipment (Tank gauge sticks or ground water bailers)

- Check for operability and serviceability.

Annually the electronic and mechanical components of release detection equipment must be tested for proper operation:

Automatic tank gauge or controllers

- Test the alarm.
- Verify system configuration.
- Test the battery back-up.

Probes and sensors

- Inspect for residual buildup.
- Ensure floats move freely.
- Ensure no components are damaged.
- Ensure cables are free of kinks and breaks.
- Ensure junction boxes or connections are watertight.
- Test exterior alarms and communication with controller

Electronic line leak detector

- Ensure device activates alarm, restricts flow or shuts off flow within one hour when simulating a leak at 3gph leak rate.

Mechanical line leak detector

- Ensure device restricts flow (slow flow) when simulating leak rate of 3gph.
- Ensure copper relief tubing is not lose or kinked.

Additional equipment testing:

Overfill prevention – Every 3 years.

- Inspect for proper operation.
- Ensure there are no broken floats or components.

TCEQ-0583
Site Map and Plan

Galm Road

640

Grassy/Brushy Area

Entrance/ Exit

Parking Lot

Grassy/Brushy Area

UST

Dispenser Islands with Canopy

WW-1

Parking Lot

Concrete Island

Parking Lot

Dumpster

Oakwood Park

Silver Spot

Parking Lot

Building

Building

Entrance/ Exit

Drive Through

Entrance/ Exit

640

SILVER OAKS SUBDIVISION

640

Legend

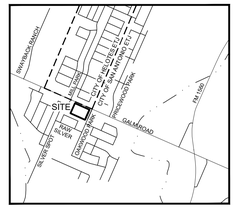
- Plugged and Abandoned Water Well
- Project Boundary
- Building
- 640' Contour

N

0' 30' 60' 120'

Approximate Scale in Feet

1/7/24	Site Map	1039-SA-Other
GEO STRATA	Select Stop #8	FIGURE 1
	11980 Galm Road, San Antonio, TX	



LOCATION MAP

NOT TO SCALE

N

GRADING NOTES:

1. MAXIMUM GRADE AT SIDEWALK RAMPS IS 8.33% WITH A CROSS SLOPE OF 2.0% OR LESS AND SHALL COMPLY WITH ADA.
2. ACCESSIBLE PATH SHALL HAVE A RUNNING SLOPE OF NO GREATER THAN 5.0% WITH A CROSS SLOPE OF 2.0% OR LESS.
3. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT WHERE NOT SPECIFICALLY COVERED IN THE CONSTRUCTION DOCUMENTS SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING, BUT NOT LIMITED TO THE CITY OF SAN ANTONIO AND BEXAR COUNTY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL CONDITION ANY DAMAGE DONE TO EXISTING IMPROVEMENTS OR UTILITIES.
5. EARTHWORK FOR THE BUILDING FOUNDATION, CONCRETE SLABS AND CONCRETE AND ASPHALT PAVEMENT SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
6. ADJUST PAVEMENT, CURB ELEVATIONS AND/OR SIDEWALK ELEVATIONS AS NECESSARY TO ENSURE A CONTINUOUS GRADE WITH EXISTING ELEVATIONS.
7. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT ONE FOOT (1').
8. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATIONS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL.

UTILITY LOCATE NOTES:

THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6005. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181 GAS COMPANIES MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA. THE CONTRACTOR SHALL NOTIFY THE GAS COMPANY LOCATOR AT 1-800-545-6005, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH AS A MINIMUM O.S.H.A. STANDARDS FOR TRENCH EXCAVATIONS SPECIFICALLY. CONTRACTOR AND OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH O.S.H.A. STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

GALM ROAD
(R.O.W. VARIES)

SILVER SPOT
(70' R.O.W.)

DRAINAGE AREA 1 = 4.69 ACRES

F.F. 940.00

LOT 37, BLOCK 124
C.B. 4400
(PLAT NO.: 23-11800060
UNDER REVIEW)

JOSEPH D. CALVERT IRA
1.422 ACRES
(VOL. 14078, PG. 1207)

SILVER OAKS SUBDIVISION UNIT 12
(VOL. 9577, PG. 9)

SILVER OAKS SUBDIVISION
UNIT 16
(VOL. 9652, PG. 111)

BENCHMARK
CONTACT SURVEYOR OF RECORD TO ESTABLISH TEMPORARY BENCHMARKS

LEGEND

CATV	EXISTING C.A.T.V. LINE
OHU	EXISTING OVERHEAD ELECTRIC
UGE	EXISTING UNDERGROUND ELECTRIC
G	EXISTING GAS LINE
SD	EXISTING STORM DRAIN LINE
SS	EXISTING SANITARY SEWER LINE
W	EXISTING WATER LINE
600	EXISTING CONTOUR
603	PROPOSED CONTOUR
W	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
SS	EXISTING MANHOLE
	EXISTING POWER POLE
	EXISTING CLEAN OUT
(XXX.XX)	EXISTING ELEVATION
23.22	PROPOSED ELEVATION
T 36.75	TOP OF CURB ELEVATION
G 36.25	GUTTER ELEVATION
E.	EXISTING
P.	PROPOSED
℄	FLOW LINE
	PROPOSED CONCRETE FLATWORK
	PROPOSED LIGHT-DUTY PAVEMENT

0 30 60
SCALE: 1" = 30'

DRAINAGE AREA MAP - ATT. G

VILLAGOMEZ ENGINEERING CO.
24165 IH-10 W, SUITE 217-708
SAN ANTONIO, TEXAS 78257
PH. (210) 724-0816
FAX (210) 853-0232
TBPE FIRM REGISTRATION
NO. F13698
NP. VEC JOB 23-006

- ☐ RELEASED FOR CONSTRUCTION
- ■ RELEASED FOR PERMIT SUBMITTAL
- ☐ NOT RELEASED FOR CONSTRUCTION

SHEET HISTORY

9/22/23	PERMIT SET

STATE OF TEXAS
JOSE L. VILLAGOMEZ
105199
LICENSED
PROFESSIONAL ENGINEER
12-27-23

PERMIT SET

absolute design
PARTNERS
• 32600 US highway 281 n. Bulverde TX 78163 •

DRAINAGE AREA MAP
ATTACHMENT G

SELECT STOP #8
11980 GALM RD.
SAN ANTONIO, TX 78254

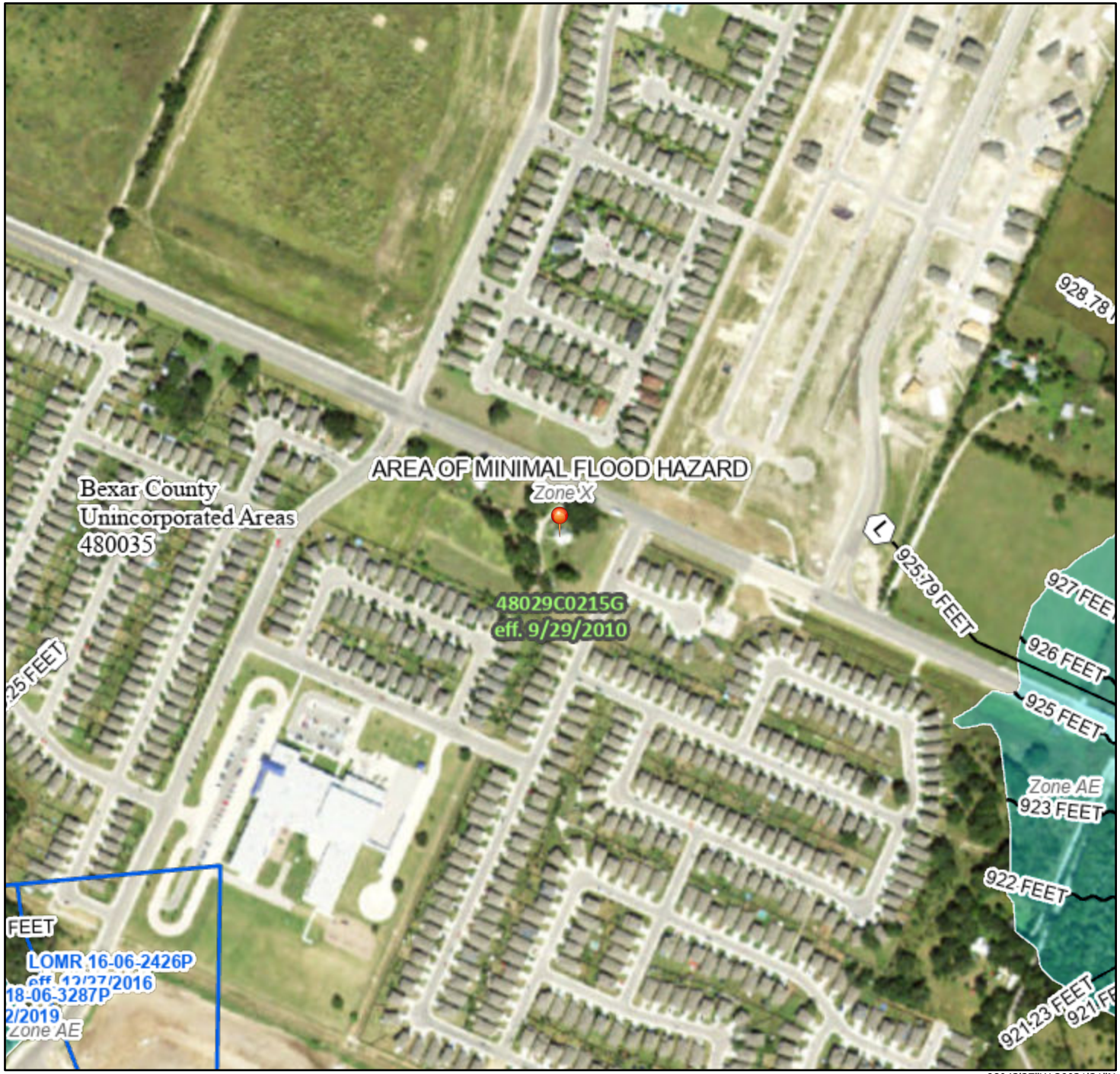
job: 23-006
date: 09/22/23
drawn: TR/JS

TCEQ-0583
FEMA Flood Map

National Flood Hazard Layer FIRMette

FEMA

98°44'4"W 29°32'2"N



98°43'27"W 29°31'31"N

Feet 1:6,000

0 250 500 1,000 1,500 2,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

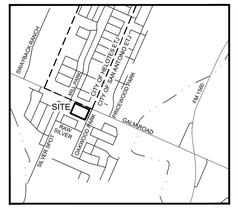
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/29/2023 at 2:32 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

TCEQ-0583
Site Layout and Drainage



LOCATION MAP

NOT TO SCALE

N

GRADING NOTES:

1. MAXIMUM GRADE AT SIDEWALK RAMPS IS 8.33% WITH A CROSS SLOPE OF 2.0% OR LESS AND SHALL COMPLY WITH ADA.
2. ACCESSIBLE PATH SHALL HAVE A RUNNING SLOPE OF NO GREATER THAN 5.0% WITH A CROSS SLOPE OF 2.0% OR LESS.
3. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT WHERE NOT SPECIFICALLY COVERED IN THE CONSTRUCTION DOCUMENTS SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING, BUT NOT LIMITED TO THE CITY OF SAN ANTONIO AND BEXAR COUNTY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL CONDITION ANY DAMAGE DONE TO EXISTING IMPROVEMENTS OR UTILITIES.
5. EARTHWORK FOR THE BUILDING FOUNDATION, CONCRETE SLABS AND CONCRETE AND ASPHALT PAVEMENT SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
6. ADJUST PAVEMENT, CURB ELEVATIONS AND/OR SIDEWALK ELEVATIONS AS NECESSARY TO ENSURE A CONTINUOUS GRADE WITH EXISTING ELEVATIONS.
7. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT ONE FOOT (1').
8. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATIONS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL.

UTILITY LOCATE NOTES:

THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6005. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181 GAS COMPANIES MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA. THE CONTRACTOR SHALL NOTIFY THE GAS COMPANY LOCATOR AT 1-800-545-6005, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH AS A MINIMUM O.S.H.A. STANDARDS FOR TRENCH EXCAVATIONS SPECIFICALLY. CONTRACTOR AND OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH O.S.H.A. STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

GALM ROAD
(R.O.W. VARIES)

SILVER SPOT
(70' R.O.W.)

DRAINAGE AREA 1 = 4.69 ACRES

F.F. 940.00

LOT 37, BLOCK 124
C.B. 4400
(PLAT NO.: 23-11800060
UNDER REVIEW)

JOSEPH D. CALVERT IRA
1.422 ACRES
(VOL. 14078, PG. 1207)

SILVER OAKS SUBDIVISION UNIT 12
(VOL. 9577, PG. 9)

SILVER OAKS SUBDIVISION
UNIT 16
(VOL. 9652, PG. 111)

BENCHMARK
CONTACT SURVEYOR OF RECORD TO ESTABLISH TEMPORARY BENCHMARKS

LEGEND

CATV	EXISTING C.A.T.V. LINE
OHU	EXISTING OVERHEAD ELECTRIC
UGE	EXISTING UNDERGROUND ELECTRIC
G	EXISTING GAS LINE
SD	EXISTING STORM DRAIN LINE
SS	EXISTING SANITARY SEWER LINE
W	EXISTING WATER LINE
600	EXISTING CONTOUR
603	PROPOSED CONTOUR
W	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
SS	EXISTING MANHOLE
	EXISTING POWER POLE
	EXISTING CLEAN OUT
(XXX.XX)	EXISTING ELEVATION
23.22	PROPOSED ELEVATION
T 36.75	TOP OF CURB ELEVATION
G 36.25	GUTTER ELEVATION
E.	EXISTING
P.	PROPOSED
℄	FLOW LINE
	PROPOSED CONCRETE FLATWORK
	PROPOSED LIGHT-DUTY PAVEMENT

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Appendix D

TECQ-0602
Temporary Stormwater Section

Temporary Stormwater Section

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Jose Villagomez, P.E.

Date: 12-30-2023

Signature of Customer/Agent:

Jose Villagomez, P.E.

Regulated Entity Name: Select Stop 8

Project Information

Potential Sources of Contamination

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

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

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

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

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

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

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

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

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

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

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

Sequence of Construction

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

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

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

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

Temporary Best Management Practices (TBMPs)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☒ N/A

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

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

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

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

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

Soil Stabilization Practices

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

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

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

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

Administrative Information

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

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

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

ATTACHMENT A – SPILL RESPONSE ACTIONS

1.4.16 Spill Prevention and Control

The objective of this section is to describe measures to prevent or reduce the discharge of pollutants to drainage systems or watercourses from leaks and spills by reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, properly disposing of spill materials, and training employees.

The following steps will help reduce the stormwater impacts of leaks and spills:

Education

(1) Be aware that different materials pollute in different amounts. Make sure that each employee knows what a "significant spill" is for each material they use, and what is the appropriate response for "significant" and "insignificant" spills. Employees should also be aware of when spill must be reported to the TCEQ. Information available in 30 TAC 327.4 and 40 CFR 302.4.

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

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

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

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

General Measures

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

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

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

(4) Train employees in spill prevention and cleanup.

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

(6) Spills should be covered and protected from stormwater runon during rainfall to the extent that it doesn't compromise clean up activities.

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

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

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

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

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

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

Cleanup

(1) Clean up leaks and spills immediately.

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

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

Minor Spills

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

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

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

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

(5) Contain the spread of the spill.

(6) Recover spilled materials.

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

Semi-Significant Spills

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

Spills should be cleaned up immediately:

(1) Contain spread of the spill.

(2) Notify the project foreman immediately.

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

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

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

Significant/Hazardous Spills

For significant or hazardous spills that are in reportable quantities:

(1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.

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

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

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

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

More information on spill rules and appropriate responses is available on the TCEQ website at: http://www.tnrcc.state.tx.us/enforcement/emergency_response.html

Vehicle and Equipment Maintenance

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

(2) Regularly inspect onsite vehicles and equipment for leaks and repair immediately

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

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

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

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

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

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

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

Vehicle and Equipment Fueling

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

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

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

ATTACHMENT B – POTENTIAL SOURCES OF CONTAMINATION

Potential sources of contamination include the following:

- Oil, grease, fuel and hydraulic fluid from construction equipment and vehicles
- Construction debris
- Miscellaneous debris
- Possible discharge from portable restrooms

ATTACHMENT C – SEQUENCE OF MAJOR ACTIVITIES

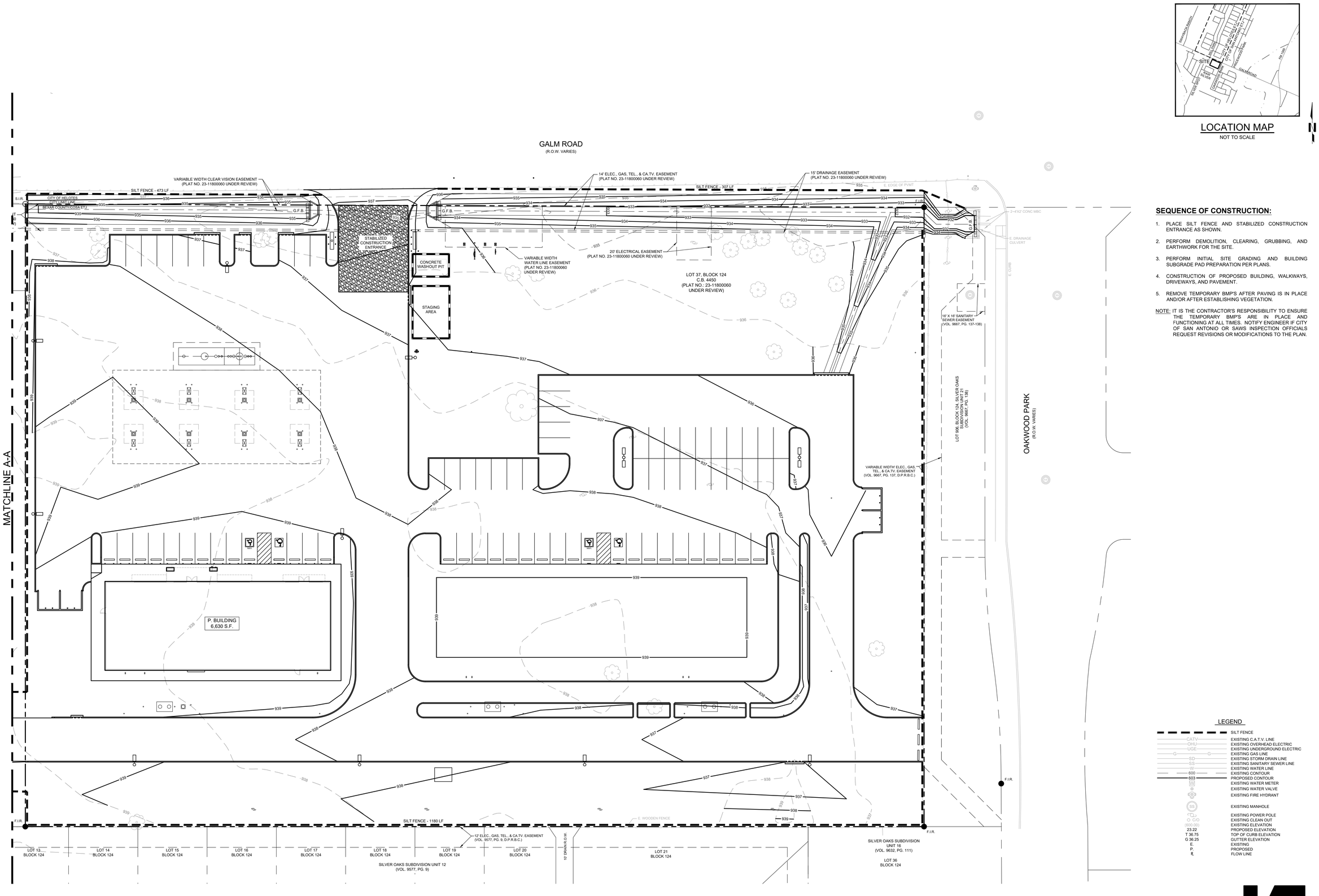
The sequence of major activities is listed below:

- Implement temporary BMP's – 2 days (Week 1)
  - Silt fence (765 LF)
  - Construction Entrance/Exit (1,000 SF)
  - Gravel filter bags (5 ea.)
  - Concrete washout pit

- Construction of building and sitework – 16 weeks (Weeks 2-17)

- Site stabilization – 2 weeks (Week 18-19)

- Removal of temporary BMP's and other miscellaneous construction debris – 2 days (Week 20)



LOCATION MAP

NOT TO SCALE

N

SEQUENCE OF CONSTRUCTION:

1. PLACE SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE AS SHOWN.
2. PERFORM DEMOLITION, CLEARING, GRUBBING, AND EARTHWORK FOR THE SITE.
3. PERFORM INITIAL SITE GRADING AND BUILDING SUBGRADE PAD PREPARATION PER PLANS.
4. CONSTRUCTION OF PROPOSED BUILDING, WALKWAYS, DRIVEWAYS, AND PAVEMENT.
5. REMOVE TEMPORARY BMP'S AFTER PAVING IS IN PLACE AND/OR AFTER ESTABLISHING VEGETATION.

NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE TEMPORARY BMP'S ARE IN PLACE AND FUNCTIONING AT ALL TIMES. NOTIFY ENGINEER IF CITY OF SAN ANTONIO OR SAWS INSPECTION OFFICIALS REQUEST REVISIONS OR MODIFICATIONS TO THE PLAN.

LEGEND

	SILT FENCE
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P.	PROPOSED
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0 20 40

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EROSION CONTROL PLAN

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SAN ANTONIO, TEXAS 78257
PH. (210) 724-0816
FAX (210) 853-0232
TBPE FIRM REGISTRATION NO. F13698
NP. VEC JOB 23-006

- RELEASED FOR CONSTRUCTION
- RELEASED FOR PERMIT SUBMITTAL
- NOT RELEASED FOR CONSTRUCTION

SHEET HISTORY

9/22/23	PERMIT SET

STATE OF TEXAS
JOSE L. VILLAGOMEZ
105199
LICENSED PROFESSIONAL ENGINEER
09.22.2023

PERMIT SET

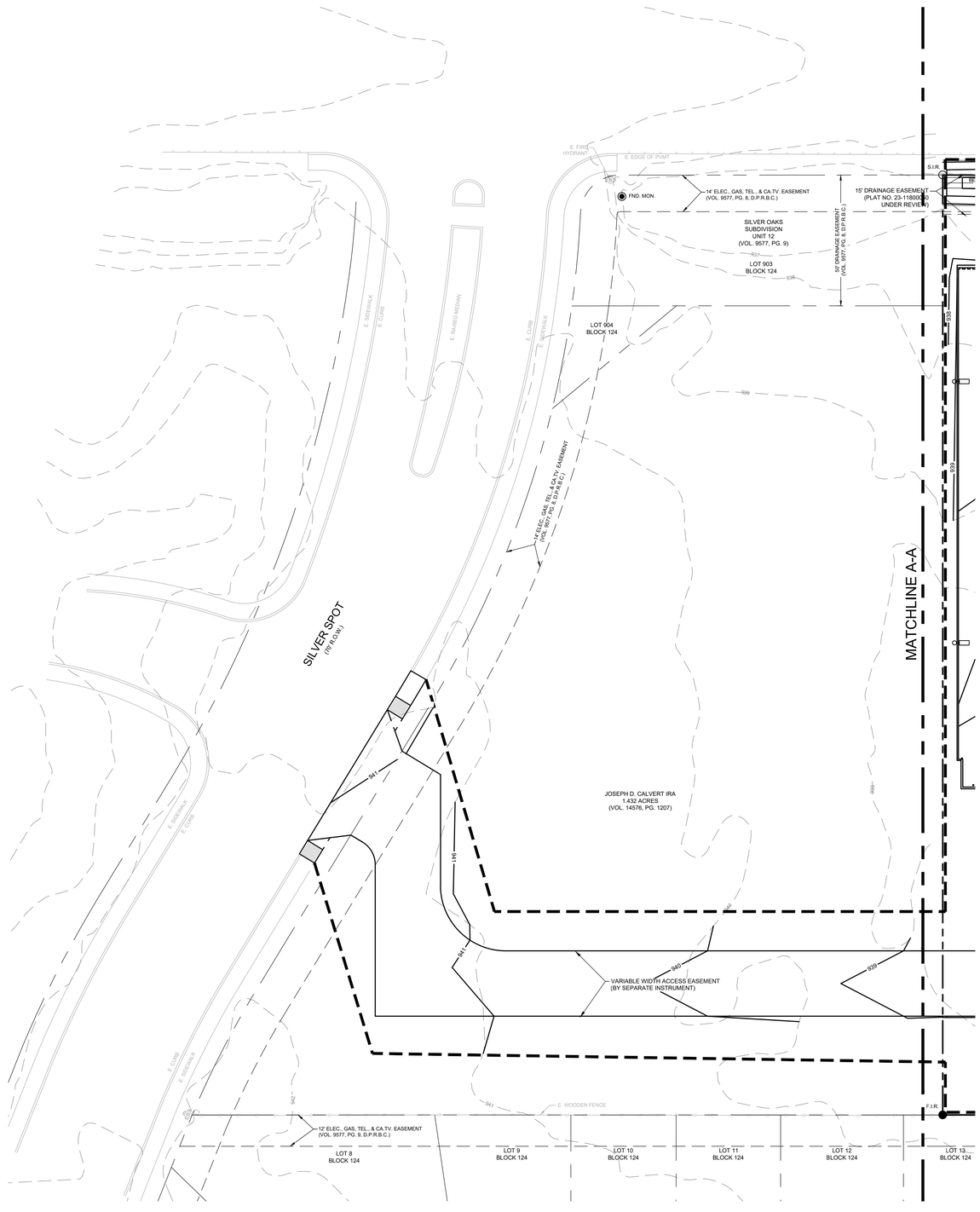
absolute design PARTNERS
• 32600 US highway 281 n. Bulverde TX 78163 •

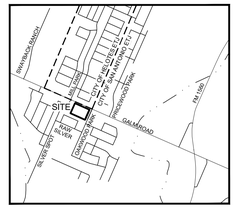
EROSION CONTROL PLAN

SELECT STOP #8
11980 GALM RD.
SAN ANTONIO, TX 78254

job: 23-006
date: 09/22/23
drawn: TR/JS

C11





LOCATION MAP

NOT TO SCALE

N

SEQUENCE OF CONSTRUCTION:

1. PLACE SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE AS SHOWN.
2. PERFORM DEMOLITION, CLEARING, GRUBBING, AND EARTHWORK FOR THE SITE.
3. PERFORM INITIAL SITE GRADING AND BUILDING SUBGRADE PAD PREPARATION PER PLANS.
4. CONSTRUCTION OF PROPOSED BUILDING, WALKWAYS, DRIVEWAYS, AND PAVEMENT.
5. REMOVE TEMPORARY BMP'S AFTER PAVING IS IN PLACE AND/OR AFTER ESTABLISHING VEGETATION.

NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE TEMPORARY BMP'S ARE IN PLACE AND FUNCTIONING AT ALL TIMES. NOTIFY ENGINEER IF CITY OF SAN ANTONIO OR SAWS INSPECTION OFFICIALS REQUEST REVISIONS OR MODIFICATIONS TO THE PLAN.

LEGEND

	SILT FENCE
CATV	EXISTING C.A.T.V. LINE
OHU	EXISTING OVERHEAD ELECTRIC
UGE	EXISTING UNDERGROUND ELECTRIC
G	EXISTING GAS LINE
SD	EXISTING STORM DRAIN LINE
SS	EXISTING SANITARY SEWER LINE
W	EXISTING WATER LINE
600	EXISTING CONTOUR
603	PROPOSED CONTOUR
W	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
SS	EXISTING MANHOLE
	EXISTING POWER POLE
O C/O	EXISTING CLEAN OUT
(000.00)	EXISTING ELEVATION
23.22	PROPOSED ELEVATION
T 36.75	TOP OF CURB ELEVATION
G 36.25	GUTTER ELEVATION
E.	EXISTING
P.	PROPOSED
℄	FLOW LINE

0 30 60

SCALE: 1" = 30'

EROSION CONTROL PLAN

VILLAGOMEZ ENGINEERING CO.
24165 IH-10 W, SUITE 217-708
SAN ANTONIO, TEXAS 78257
PH. (210) 724-0816
FAX (210) 853-0232
TBPE FIRM REGISTRATION NO. F13698
NP. VEC JOB 23-006

RELEASED FOR CONSTRUCTION
RELEASED FOR PERMIT SUBMITTAL
NOT RELEASED FOR CONSTRUCTION

SHEET HISTORY

9/22/23	PERMIT SET

STATE OF TEXAS
JOSE L. VILLAGOMEZ
105199
LICENSED PROFESSIONAL ENGINEER
09.22.2023

PERMIT SET

absolute design PARTNERS
• 32600 US highway 281 n. Bulverde TX 78163 •

EROSION CONTROL PLAN

SELECT STOP #8
11980 GALM RD.
SAN ANTONIO, TX 78254

job: 23-006
date: 09/22/23
drawn: TR/JS

C11.1

ATTACHMENT D – TEMPORARY BMP'S AND MEASURES

- Stabilized Construction Entrance/Exit
    - Timing - will be put in place at the beginning of construction, prior to any site work, will be removed at the conclusion of all site work activity
    - This BMP will prevent pollution by removing dust, rocks, and other construction debris which is carried on the construction vehicles from entering the right-of-way and potentially draining into the aquifer.

- Silt Fence
    - Timing – will be put in place at the beginning of construction, prior to any site work, will be removed at the conclusion of all site work activity
    - The silt fence will capture potentially contaminated excess sediment prior to running off site. The excess sediment will be removed periodically as described within this plan.

- Concrete Washout Pit
    - Timing – will be put in place at the beginning of construction, prior to any concrete pour, will be removed at the conclusion of all concrete work
    - The concrete washout areas will prevent or reduce the discharge of pollutants to stormwater from concrete waste by conducting washout offsite, performing onsite washout in a designated area, and training employees and subcontractors

- Inlet Protection
    - Timing – will be utilized immediately after each inlet is put in place and remain until all site soil stabilization is complete.

    - Inlet protection is used to ensure silt does not enter the underground drainage system. The inlet protection will prevent clogging and silt accumulation within the system.

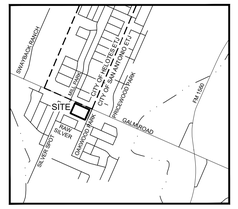
ATTACHMENT F – STRUCTURAL PRACTICES

The following structural practices will be installed prior to all site work:

- Silt fence, which will be placed prior to all site work activity and limit runoff discharge of pollutants from exposed area of the site

- Stabilized construction entrance/exit, which will be placed prior to all site work activity and shall prevent excess sediment and debris from leaving the construction site

- Concrete washout pit will be put in place at the beginning of construction, prior to any concrete pour and will prevent or reduce the discharge of pollutants to stormwater from concrete waste by conducting washout offsite, performing onsite washout in a designated area, and training employees and subcontractors



LOCATION MAP

NOT TO SCALE

N

GRADING NOTES:

1. MAXIMUM GRADE AT SIDEWALK RAMPS IS 8.33% WITH A CROSS SLOPE OF 2.0% OR LESS AND SHALL COMPLY WITH ADA.
2. ACCESSIBLE PATH SHALL HAVE A RUNNING SLOPE OF NO GREATER THAN 5.0% WITH A CROSS SLOPE OF 2.0% OR LESS.
3. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT WHERE NOT SPECIFICALLY COVERED IN THE CONSTRUCTION DOCUMENTS SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING, BUT NOT LIMITED TO THE CITY OF SAN ANTONIO AND BEXAR COUNTY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL CONDITION ANY DAMAGE DONE TO EXISTING IMPROVEMENTS OR UTILITIES.
5. EARTHWORK FOR THE BUILDING FOUNDATION, CONCRETE SLABS AND CONCRETE AND ASPHALT PAVEMENT SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
6. ADJUST PAVEMENT, CURB ELEVATIONS AND/OR SIDEWALK ELEVATIONS AS NECESSARY TO ENSURE A CONTINUOUS GRADE WITH EXISTING ELEVATIONS.
7. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT ONE FOOT (1').
8. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATIONS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL.

UTILITY LOCATE NOTES:

THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6005. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181 GAS COMPANIES MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA. THE CONTRACTOR SHALL NOTIFY THE GAS COMPANY LOCATOR AT 1-800-545-6005, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH AS A MINIMUM O.S.H.A. STANDARDS FOR TRENCH EXCAVATIONS SPECIFICALLY. CONTRACTOR AND OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH O.S.H.A. STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

GALM ROAD
(R.O.W. VARIES)

SILVER SPOT
(70' R.O.W.)

DRAINAGE AREA 1 = 4.69 ACRES

F.F. 940.00

LOT 37, BLOCK 124
C.B. 4400
(PLAT NO.: 23-11800060
UNDER REVIEW)

JOSEPH D. CALVERT IRA
1.422 ACRES
(VOL. 14078, PG. 1207)

SILVER OAKS SUBDIVISION UNIT 12
(VOL. 9577, PG. 9)

SILVER OAKS SUBDIVISION
UNIT 16
(VOL. 9652, PG. 111)

BENCHMARK
CONTACT SURVEYOR OF RECORD TO ESTABLISH TEMPORARY BENCHMARKS

LEGEND

CATV	EXISTING C.A.T.V. LINE
OHU	EXISTING OVERHEAD ELECTRIC
UGE	EXISTING UNDERGROUND ELECTRIC
G	EXISTING GAS LINE
SD	EXISTING STORM DRAIN LINE
SS	EXISTING SANITARY SEWER LINE
W	EXISTING WATER LINE
600	EXISTING CONTOUR
603	PROPOSED CONTOUR
W	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
SS	EXISTING MANHOLE
	EXISTING POWER POLE
	EXISTING CLEAN OUT
(XXX.XX)	EXISTING ELEVATION
23.22	PROPOSED ELEVATION
T 36.75	TOP OF CURB ELEVATION
G 36.25	GUTTER ELEVATION
E.	EXISTING
P.	PROPOSED
℄	FLOW LINE
	PROPOSED CONCRETE FLATWORK
	PROPOSED LIGHT-DUTY PAVEMENT

0 30 60
SCALE: 1" = 30'

DRAINAGE AREA MAP - ATT. G

VILLAGOMEZ ENGINEERING CO.
24165 IH-10 W, SUITE 217-708
SAN ANTONIO, TEXAS 78257
PH. (210) 724-0816
FAX (210) 853-0232
TBPE FIRM REGISTRATION
NO. F13698
NP. VEC JOB 23-006

- ☐ RELEASED FOR CONSTRUCTION
- ■ RELEASED FOR PERMIT SUBMITTAL
- ☐ NOT RELEASED FOR CONSTRUCTION

SHEET HISTORY

9/22/23	PERMIT SET

STATE OF TEXAS
JOSE L. VILLAGOMEZ
105199
LICENSED
PROFESSIONAL ENGINEER
12-27-23

PERMIT SET

absolute design
PARTNERS
• 32600 US highway 281 n. Bulverde TX 78163 •

DRAINAGE AREA MAP
ATTACHMENT G

SELECT STOP #8
11980 GALM RD.
SAN ANTONIO, TX 78254

job: 23-006
date: 09/22/23
drawn: TR/JS

ATTACHMENT I – INSPECTION AND MAINTENANCE FOR BMP'S

All TBMP's shall be inspected by the contractor on a weekly basis and after all substantial rain events and maintained according to TCEQ's Technical Guidance Manual. The contractor shall keep records of all inspections that were conducted.

Silt Fencing:

- The contractor shall inspect all silt fencing weekly and after any rainfall for sediment accumulation, torn fabric and crushed or collapsed sections throughout the duration of construction.
- Sediment shall be removed when sediment buildup reaches 6 inches.
- At the conclusion of construction, the fence shall be disposed of in an approved landfill.

Construction Entrance:

- The entrance should be maintained in a condition, which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment.
- All sediment spilled, dropped, washed or traced onto public rights-of-way should be removed immediately by contractor.
- When necessary, wheels should be cleaned to remove sediment prior to entrance onto public right-of-way.
- When washing is required, it should be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin.
- All sediment should be prevented from entering any storm drain, ditch or water course by using approved methods.

Concrete Washout Pit:

- Concrete washout pit should be inspected daily and after heavy rains to check for leaks, identify any plastic linings and sidewalls have been damaged by construction activities, and determine whether they have been filled to over 75 percent capacity.
- When filled to 75 percent capacity, the washwater should be vacuumed off or allowed to evaporate to avoid overflows.
- Remaining cementitious solids should be removed and recycled.
- Prior to heavy rains, the washout containers liquid level should be lowered to prevent overflow.

Gravel Filter Bag Inlet Protection:

- Inspection should be made weekly and after each rainfall. Repair or replacement should be made promptly as needed by the contractor.

- Remove sediment when buildup reaches a depth of 3 inches. Removed sediment should be deposited in a suitable area and in such a manner that it will not erode.
- Check placement of device to prevent gaps between device and inlet.
- Inspect filter fabric and patch or replace if torn or missing.
- Structures should be removed and the area stabilized only after the remaining drainage area has been properly stabilized.

ATTACHMENT J – SCHEDULE OF INTERIM AND PERMANENT SOIL STABILIZATION

Stabilization measures will be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased and will be initiated no more than 14 says after the construction in that area has ceased.

At the completion of construction all disturbed areas will be permanently stabilized with sod or other permanent ground cover as directed by the Landscape Architect.

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

Site Stabilization

Removing the vegetative cover and altering the soil structure by clearing, grading, and compacting the surface increases an area's susceptibility to erosion. Apply stabilizing measures as soon as possible after the land is disturbed. Plan and implement temporary or permanent vegetation, mulches, or other protective practices to correspond with construction activities. Protect channels from erosive forces by using protective linings and the appropriate channel design. Consider possible future repairs and maintenance of these practices in the design.

Seeding establishes a vegetative cover on disturbed areas. Seeding is very effective in controlling soil erosion once a vegetative cover of about 80% has been established. However, often seeding and fertilizing do not produce as thick a vegetative cover as do seed and mulch or netting. Newly established vegetation does not have as extensive a root system as existing vegetation and therefore is more prone to erosion, especially on steep slopes. Care should be taken when fertilizing to avoid untimely or excessive application. Since the practice of seeding and fertilizing does not provide any protection during the time of vegetative establishment, it should be used only on favorable soils in very flat areas and not in sensitive areas.

The management of land by using ground cover reduces erosion by reducing the flow rate of runoff and the raindrop impact. Bare soils should be seeded or otherwise stabilized within 14 calendar days after final grading or where construction activity has temporarily ceased for more than 21 days. In very flat, non-sensitive areas with favorable soils, stabilization may involve simply seeding and fertilizing. Mulch and/or sod may be necessary on steeper slopes, for erodible soils, and near sensitive areas. Sediment that has escaped the site due to the failure of sediment and erosion controls should be removed as soon as possible to minimize offsite impacts. Permission should be obtained from adjacent landowners prior to offsite sediment removal.

Mulching/mats can be used to protect the disturbed area while vegetation becomes established. Mulching involves applying plant residues or other suitable materials on disturbed soil surfaces. Mulches/mats used include tacked straw, wood chips, and jute netting and are often covered by blankets or netting. Mulching alone should be used only for temporary protection of the soil surface or when permanent seeding is not feasible. The useful life of mulch varies with the material used and the amount of precipitation, but is approximately 2 to 6 months.

During times of year when vegetation cannot be established, soil mulching should be applied to moderate slopes and soils that are not highly erodible. On steep slopes or highly erodible soils, multiple mulching treatments should be used. Interlocking ceramic materials, filter fabric, and netting are available for this purpose. Before stabilizing an area, it is important to have installed all sediment controls and diverted runoff away from the area to be planted. Runoff may be diverted away from denuded areas or newly planted areas using dikes, swales, or pipe slope drains to intercept runoff and convey it to a permanent channel or storm drain. Reserved topsoil may be used to revegetate a site if the stockpile has been covered and stabilized.

Consideration should be given to maintenance when designing mulching and matting schemes. Plastic nets are often used to cover the mulch or mats; however, they can foul lawn mower blades if the area requires mowing.

Sod can be used to permanently stabilize an area. Sodding provides immediate stabilization of an area and should be used in critical areas or where establishment of permanent vegetation by seeding and mulching would be difficult. Sodding is also a preferred option when there is high erosion potential during the period of vegetative establishment from seeding.

Because of the hardy drought-resistant nature of wildflowers, they may be more beneficial as an erosion control practice than turf grass. While not as dense as turfgrass, wildflower thatches and associated grasses are expected to be as effective in erosion control and contaminant absorption. Because thatches of wildflowers do not need fertilizers, pesticides, or herbicides, and the need for watering is minimal, implementation of this practice may result in cost savings. In 1987, Howard County, Maryland, spent $690.00 per acre to maintain turfgrass areas, compared to only $31.00 per acre for wildflower meadows. A wildflower stand requires several years to become established; however, maintenance requirements are minimal once the area is established.

Appendix E

Agent Authorization Form
Application Fee Form
Core Data Form

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

I Akil Momin,
Print Name

Owner,
Title - Owner/President/Other

of Select Stop 8 Holding, LLC,
Corporation/Partnership/Entity Name

have authorized Cheri Krieg/Suzanne Green
Print Name of Agent/Engineer

of Geo Strata Environmental Consultants, Inc.
Print Name of Firm

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

I also understand that:

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

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

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

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

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

SIGNATURE PAGE:

Applicant's Signature

02/06/24
Date

THE STATE OF Texas §

County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared Akil Momin 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 6 day of February, 2024

NOTARY PUBLIC

Robn R. Stoll
Typed or Printed Name of Notary

ROBN R STOLL
Notary Public, State of Texas
Comm. Expires 06-20-2027
Notary ID 677383-2

MY COMMISSION EXPIRES: 06-20-2027

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: Select Stop #8
Regulated Entity Location: 11980 Galm Road, San Antonio, TX
Name of Customer: Select Stop 8 Holding, LLC
Contact Person: Akil Momin Phone: 512-299-8040
Customer Reference Number (if issued):CN _____
Regulated Entity Reference Number (if issued):RN _____

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: 7/8/24

TCEQ-0574 (Rev. 02-24-15)

Application Fee Schedule

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions 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

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		**RN**

SECTION II: Customer Information

4. General Customer Information

5. Effective Date for Customer Information Updates (mm/dd/yyyy)

☒ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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

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

If new Customer, enter previous Customer below:

Select Stop 8 Holding LLC

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
	32086546671	884148600	

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:

15. Mailing Address:							
4504 Night Owl Lane							
City	Austin	**State**	TX	**ZIP**	78723	**ZIP + 4**	6076

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	amomin211@gmail.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(512) 299-8040		( ) -

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

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.)*

Select Stop #8

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	11980 Galm Road							
	City	San Antonio	**State**	TX	**ZIP**	78254	**ZIP + 4**	
24. County	Bexar							

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

25. Description to Physical Location:	

26. Nearest City	**State**	**Nearest ZIP Code**

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:	29.52997		**28. Longitude (W) In Decimal:**	-98.72990	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
5541	5411	457110	N/A

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

Convenience Store with Fuel Sales

34. Mailing Address:								
	11980 Galm Road							
	City	**San Antonio**	**State**	**TX**	**ZIP**	**78254**	**ZIP + 4**	

35. E-Mail Address:	**amomin211@gmail.com**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(512) 299-8040		( ) -

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:

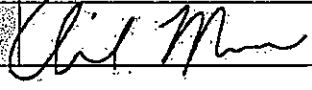
SECTION IV: Preparer Information

40. Name:	Cheri Krieg, Geo Strata Environmnetal Consultants, LLC	41. Title:	Project Manager

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(210) 492-7282		( ) -	

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:	Select Stop 8 Holding LLC	Job Title:	
Name (In Print):	Akil Momin	Phone:	(512) 299-8040
Signature:		Date:	7/16/24