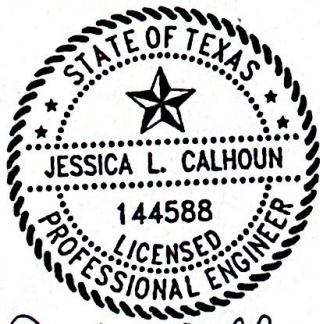

Omni Medical Center

Project by:
UDS Four LLC

Water Pollution Abatement Plan Report



Jessica Calhoun
11/12/24

New Braunfels, Texas
November 2024

Prepared by:



290 S. CASTELL AVE, STE. 100
NEW BRAUNFELS, TX, 78130
TBPE-FIRM F-10961
TBPLS FIRM 10153600

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: Omni Medical Center					2. Regulated Entity No.:				
3. Customer Name: UDS Four LLC					4. Customer No.:				
5. Project Type: (Please circle/check one)	<input checked="" type="radio"/> New	Modification			Extension		Exception		
6. Plan Type: (Please circle/check one)	<input checked="" type="radio"/> WPAP	<input type="radio"/> CZP	<input type="radio"/> SCS	<input type="radio"/> UST	<input type="radio"/> AST	<input type="radio"/> EXP	<input type="radio"/> EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	<input type="radio"/> Residential		<input checked="" type="radio"/> Non-residential			8. Site (acres):		2.46	
9. Application Fee:	\$4,000		10. Permanent BMP(s):			Batch Detention			
11. SCS (Linear Ft.):	N/A		12. AST/UST (No. Tanks):			N/A			
13. County:	Bexar		14. Watershed:			Salado Watershed			

Application Distribution

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

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

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

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

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

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.	
Jessica Calhoun, P.E.	
Print Name of Customer/Authorized Agent	
<i>Jessica Calhoun</i>	10/22/24
Signature of Customer/Authorized Agent	Date

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

General Information Form

Texas Commission on Environmental Quality

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

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

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

Signature

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

Print Name of Customer/Agent: Jessica Calhoun, P.E.

Date: 10/22/2024

Signature of Customer/Agent:

Jessica Calhoun

Project Information

1. Regulated Entity Name: Omni Medical Center
2. County: Bexar
3. Stream Basin: Panther Springs Creek
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: Urfan Dar

Entity: UDS Four LLC

Mailing Address: 19141 Stone Oak Pkwy, Ste. 104

City, State: San Antonio , TX

Zip: 78258

Telephone: 210-268-0129

FAX: _____

Email Address: udarmd@yahoo.com

8. Agent/Representative (If any):

Contact Person: Jessica Calhoun, P.E.

Entity: HMT Engineering & Surveying

Mailing Address: 290 S. Castell Avenue, Ste 100

City, State: New Braunfels, Texas

Zip: 78130

Telephone: 830-625-8555

FAX: 830-625-8556

Email Address: jessica.calhoun@hmtnb.com

9. Project Location:

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

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

Beginning at TCEQ San Antonio regional office, turn right and head north on Judson Road, turn left onto North Loop 1604 E. and merge onto Highway 1604, exit to Stone Oak Parkway, turn left onto Knights Cross Dr. The site is on the right 600 feet down.

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:

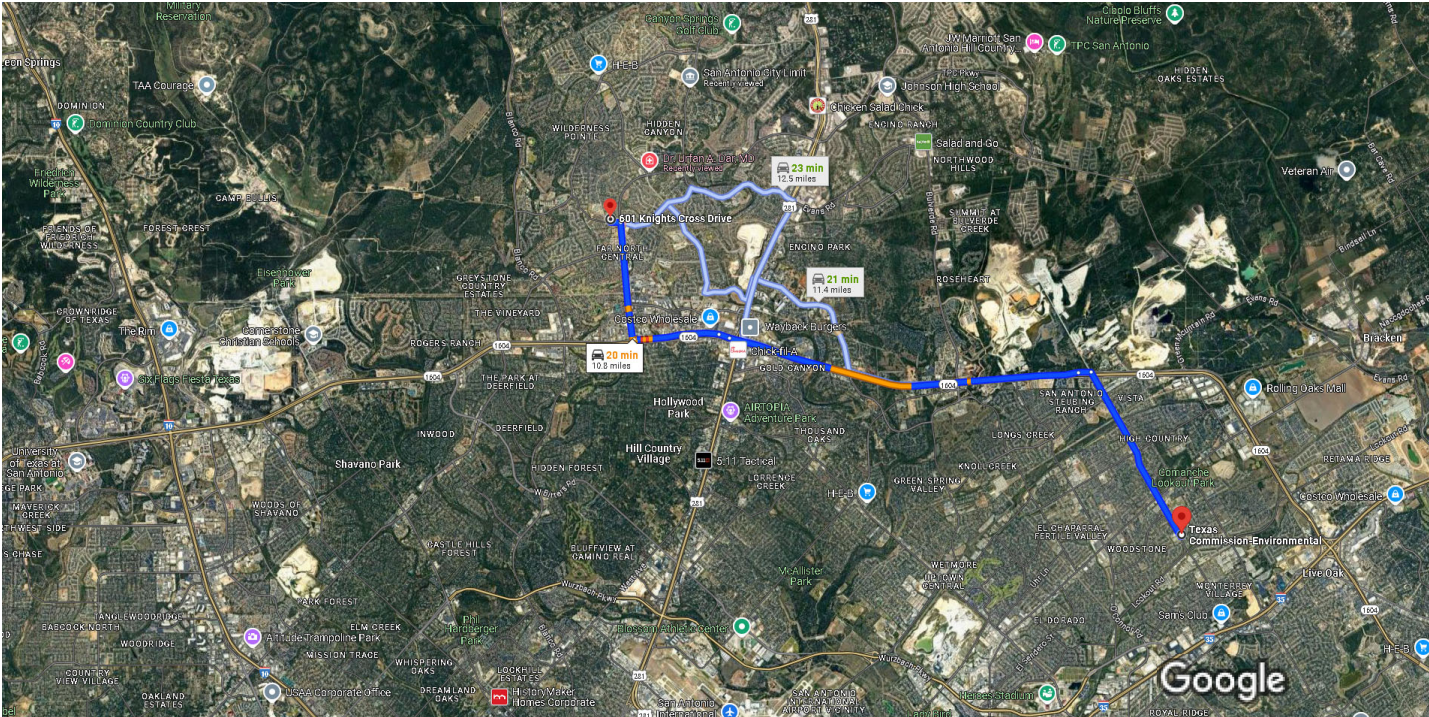
- ☐ TCEQ cashier
- ☐ Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
- ☒ San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

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.



Texas Commission-Environmental, 14250 Judson Drive 10.8 miles, 20 min
Rd, San Antonio, TX 78233 to 601 Knights Cross Dr, San Antonio, TX 78258



Imagery ©2024 Airbus, CNES / Airbus, Landsat / Copernicus, Maxar Technologies, Map data ©2024 Google 1 mi






Texas Commission-Environmental
14250 Judson Rd, San Antonio, TX 78233

Continue to Judson Rd

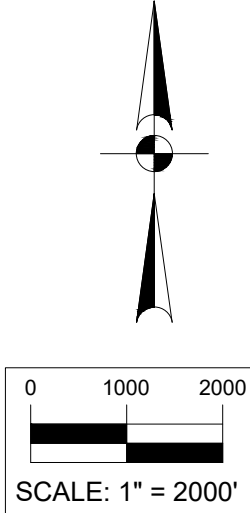
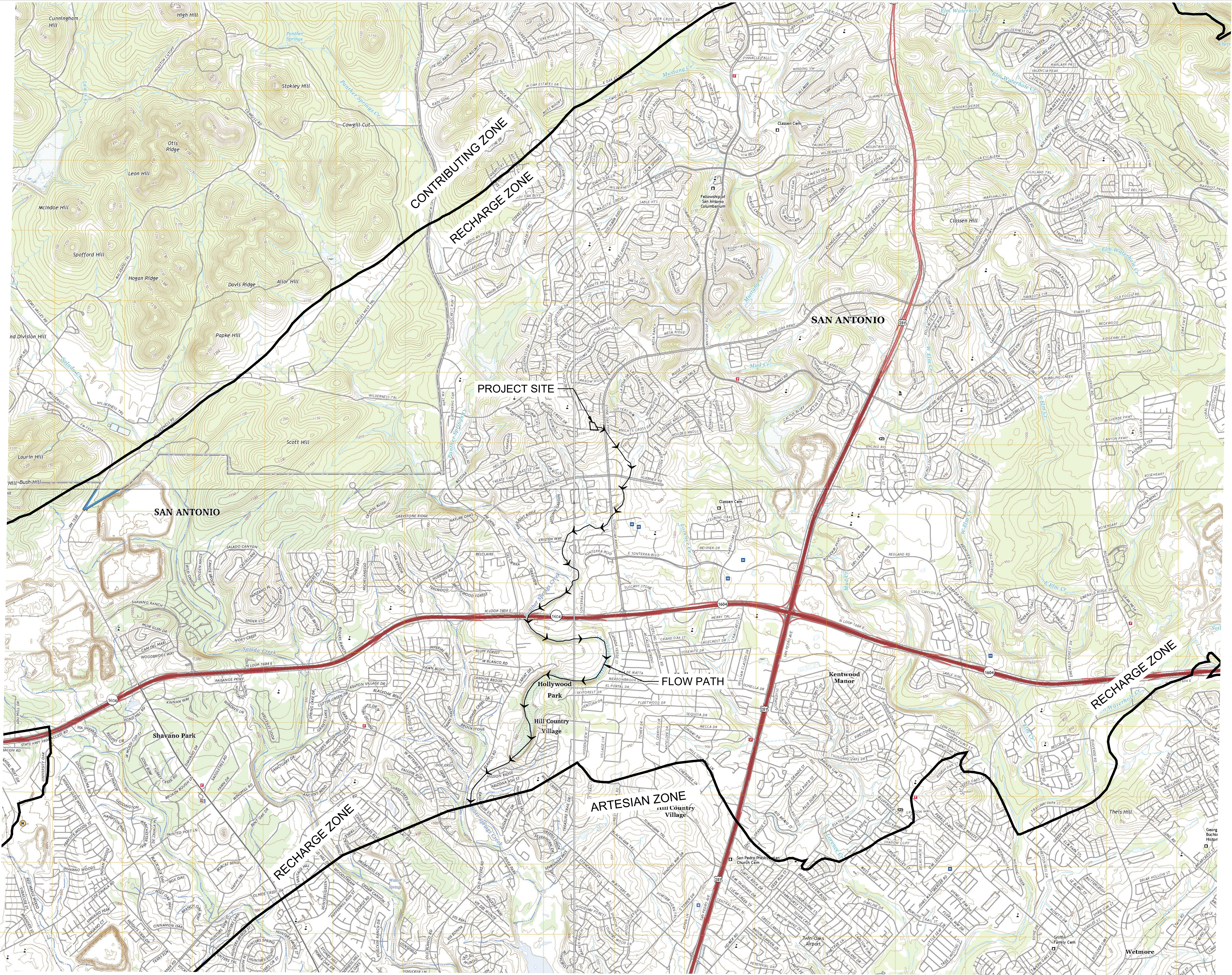
- ↑ 1. Head southeast toward Judson Rd
16 sec (200 ft)
- ↘ 2. Turn right toward Judson Rd
115 ft
- ↘ 3. Turn right toward Judson Rd
85 ft

Continue on Judson Rd. Take TX-1604 Loop W and Stone Oak Pkwy to Knights Cross Dr

- ↘ 3. Turn right onto Judson Rd
18 min (10.8 mi)
- 📍 4. Pass by AutoZone Auto Parts (on the right in 0.6 mi)
2.6 mi
- ↶ 4. Use the left lane to turn left onto N Loop 1604 E
0.2 mi
- ⬆ 5. Use the left lane to take the ramp onto TX-1604 Loop W
4.9 mi
- ↘ 6. Take the exit toward Voigt Dr/Stone Oak Pkwy

-  7. Merge onto N Loop 1604 E 0.2 mi
-
-  8. Turn right onto Stone Oak Pkwy 1.2 mi
 [Pass by IBC Bank \(on the right\)](#)
-
-  9. Use the 2nd from the left lane to turn left onto Knights Cross Dr 1.6 mi
 [Destination will be on the right](#)
-
- 0.1 mi

601 Knights Cross Dr
San Antonio, TX 78258



DRAFT

ATTACHMENT B -
USGS/EDWARDS
RECHARGE ZONE MAP
CIVIL SITE CONSTRUCTION PLANS

OMNI MEDICAL CENTER

DATE: OCTOBER 2024
DRAWN BY: ZAH
DESIGNED BY: ZAH
CHECKED BY: JC
REVIEWED BY: JC
PROJECT NO.: 102.017

SHEET
B

GENERAL INFORMATION FORM
ATTACHMENT C
Project Description

The proposed Omni Medical Center project is located on the north side of Knights Cross Drive in San Antonio, Texas. The site is within the City of San Antonio city limits. The site is currently 2.46 acres of undeveloped range land. There is no previous development onsite and therefore there is no existing impervious cover on the 2.46 acres of the Omni Medical Center site. The proposed conditions increase the impervious cover to be 1.04 acres or 41.8% at full development.

The proposed site improvements include the construction of 8,715 square feet (0.20 acres) of structures, 31,429 square feet (0.72 acres) of parking and driveway, and the remaining 5,227 square feet (0.12 acres) is other paved surfaces. The offsite area flow will be routed around the proposed improvements and therefore are not used in our water quality calculations. Batch Detention is the proposed permanent BMPs to be constructed on the site as shown in Exhibit C.

The construction will be completed in one phase. Omni Medical Center is the permitted entity that will operate the proposed site.

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: Matt Anding

Telephone: 832-641-8143

Date: 05/16/2024

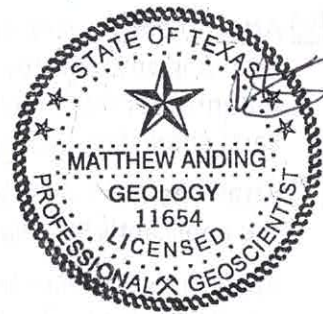
Fax: _____

Representing: Anding Environmental Consulting, LLC (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: UDS Four, LLC



Project Information

1. Date(s) Geologic Assessment was performed: 05/16/2024

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)
ErG	B	6'

** 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" = 40'
 Site Geologic Map Scale: 1" = 40'
 Site Soils Map Scale (if more than 1 soil type): 1" = 40'
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 0 (#) 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

ATTACHMENT A - GEOLOGIC ASSESSMENT TABLE

[illegible]

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.

Matt Anding, P.G.

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

GEOLOGIC ASSESSMENT
ATTACHMENT B - STRATIGRAPHIC COLUMN

SITE STRATIGRAPHY (Edwards Aquifer)

STRATIGRAPHIC COLUMN

Hydrogeologic subdivision		Group, formation, or member		Hydro-logic function	Thickness (feet)	Lithology	Field identification	Cavern development	Porosity/ permeability type	
		Del Rio Clay		CU	50 – 60	Blue-green to yellow-brown clay	Fossiliferous; <i>Ilymatogyra arietina</i>	None	None/primary upper confining unit	
Lower Cretaceous	II	Edwards aquifer	Person Formation	Cyclic and marine members, undivided (4)	AQ	0 – 70	Mudstone to packstone; <i>miliolid</i> grainstone; chert	Boxwork vugs; light tan, massive; some <i>Toucasia</i> , <i>Caprinid</i> , and <i>Chondrodonta</i>	Many caves; might be associated with earlier karst development	Laterally extensive; both fabric and not fabric/water-yielding; one of the most porous and permeable; essentially absent in Travis County
	III			Leached and collapsed members, undivided (4)	AQ	30 – 80	Crystalline limestone; mudstone to wackestone to <i>miliolid</i> grainstone; chert; collapsed breccia	Light-gray, bioturbated iron-stained beds separated by massive limestone beds; <i>Toucasia</i> , <i>Chondrodonta</i>	Extensive lateral development; large rooms	Majority not fabric/ one of the most porous and permeable
	IV			Regional dense member (3)	CU	20 – 30	Light-tan, dense, argillaceous mudstone	Wispy iron-oxide stains; <i>Pleuromya knowltoni</i> , <i>Ceratostreon texanum</i>	None; only vertical fracture enlargement	Not fabric/ low permeability; vertical barrier
	V	Kainer Formation	Grainstone member (2)	AQ	45 – 60	Light-gray, <i>miliolid</i> grainstone; mudstone to wackestone; chert	White crossbedded grainstone; <i>Toucasia</i> , <i>Turritella</i> , and <i>Chondrodonta</i>	Few caves	Not fabric/ recrystallization reduces permeability	
	VI		Kirschberg evaporite member (1)	AQ	65 – 75	Light-gray, crystalline limestone; chalky mudstone; chert	Boxwork voids, with neospar and travertine frame; <i>Cladophyllia</i> and <i>Turritella</i>	Probably extensive cave development	Majority fabric/ one of the most porous and permeable	
	VII		Dolomitic member (1)	AQ	110 – 150	Mudstone to grainstone; crystalline limestone; chert	Massively bedded, light gray, <i>Toucasia</i> abundant; <i>Dictyoconus walnutensis</i> , <i>Caprinid</i>	Caves related to structure or bedding planes	Mostly not fabric; some bedding-plane fabric/ water-yielding; locally permeable	
	VIII		Basal nodular member	Karst AQ; not karst CU	45 – 60	Shaly, fossiliferous, nodular limestone; mudstone; <i>miliolid</i> grainstone	Massive, nodular and mottled; <i>Ceratostreon texanum</i> , <i>Dictyoconus walnutensis</i> , and <i>Texigryphaea</i>	Few caves	Fabric/low permeability	
	Lower confining unit	Upper member of the Glen Rose Limestone		CU; evaporite beds AQ	350 – 500	Yellowish-tan, thinly bedded limestone and marl	Stair-step topography; alternating limestone and marl	Some surface cave development	Some water production at evaporite beds/ relatively impermeable	

GEOLOGIC ASSESSMENT
ATTACHMENT C - SITE GEOLOGY



GEOLOGIC ASSESSMENT

601 Knights Cross Drive
San Antonio, Bexar County, TX 78258

Prepared for:
UDS Four, LLC

Prepared by:
Anding Environmental Consulting, LLC
May 2025

Geologic Assessment

601 Knights Cross Drive
San Antonio, Bexar County, Texas, 78258

Prepared for:
UDS Four, LLC

Prepared by:



Anding Environmental Consulting, LLC
938 River Terrace
New Braunfels, TX 78130

May 2025

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Table 3-1 Site Soils

Attachments

Attachment A	Geologic Assessment Table
Attachment B	Stratigraphic Column
Attachment C	Site Geology and Geologic Assessment
Attachment D	Site Geologic Maps
Attachment E	Photo Log

Acronyms

BMP	Best Management Practices
EAPP	Edwards Aquifer Protection Plan
FEMA	Federal Emergency Management Administration
GPS	Global Positioning System
TCEQ	Texas Commission on Environmental Quality
USDA	United States Department of Agriculture
USGS	United States Geological Survey

1.0 INTRODUCTION AND PURPOSE

1.1 Introduction

This Geologic Assessment was prepared in general accordance with to 30 TAC §213.5(b)(3), effective September 01, 2003, Texas Commission on Environmental Quality (TCEQ) requirements for regulated developments within the Edwards Aquifer Recharge Zone, and the “Instructions to Geologists”, TCEQ-0585-Instructions (Rev. 10-1-04). Per TCEQ guidance, a proposed project on the Site for future development of a commercial business requires a Geologic Assessment to identify all potential pathways for contaminant movement to the Edwards Aquifer and provide sufficient geologic information so that the appropriate Best Management Practices (BMPs) can be proposed in the Edwards Aquifer Protection Plan (EAPP). This Geologic Assessment has been prepared by a Texas Board of Professional Geoscientists licensed geologist, Mr. Matt Anding, P.G.

1.2 Project Description

The Site is located at 601 Knights Cross Drive, San Antonio, TX 78258, near the intersection of Knights Cross Drive and Stone Oak Pkwy. The center of the Site is located at 29°37'59.88"N Latitude and 98°29'52.18"W Longitude (WGS 84), and the Site is ~1.29 acres in size. The Site is currently undeveloped. The property location is depicted on **Figure D-1**. A project is in place to develop the Site with as a medical office and surgery center.

2.0 METHODOLOGY

2.1 Research Information

The Geologic Assessment was performed by Matt Anding, P.G., with Anding Environmental Consulting, LLC (Anding Environmental) on May 16, 2024. Anding Environmental first conducted a desktop analysis of the geology of the area surrounding the Site. The research included, but was not limited to, the Geologic Atlas of Texas, Federal Emergency Management Agency (FEMA) maps, Edwards Aquifer Recharge Zone Maps, USGS 7.5 Minute Quadrangle Maps, Bureau of Economic Geology online digital data, historic aerials and topographic maps, and the United States Department of Agriculture (USDA) Soil Survey of Comal County, Texas.

2.2 Field Survey

After reviewing the available desktop information, a field investigation was performed to identify any geologic or man-made potential recharge features. A transect spacing of approximately 25-50 feet, or less depending on Site vegetation, was used to inspect the Site. A 2022 aerial photograph, in conjunction with a hand held sub-meter Trimble GeoXH Global Positioning System (GPS), was used to navigate on the property and search for potential recharge features, as recommended in the “Instructions to Geologists”, TCEQ-0585-Instructions (Rev. 10-1-04). The Geologic Assessment Form, Stratigraphic Column, and the Geologic Assessment Table have been filled with the appropriate information for this Site and are included in this report. Special attention was given to the mapped faults, bedrock outcroppings, and other structural features mapped in the area.

2.3 Data Gaps

No data gaps were incurred during the desktop analysis or field reconnaissance.

2.4 Limitations of Assessment

No Geologic Assessment can wholly eliminate uncertainty regarding potential pathways for contaminant movement to the Edwards Aquifer in connection with a property. Performance of a Geologic Assessment in accordance with TCEQ-0585 instructions is intended to reduce, but cannot eliminate, uncertainty regarding the potential for surficial points of infiltration in connection with a property, and the TCEQ recognizes reasonable limits of time and cost.

Anding Environmental assumes no responsibility for the discovery of any surficial or subsurface points of infiltration, caves, solution cavities or enlarged fractures/faults, sinkholes, or any other karst features not observed during this Geologic Assessment. Anding Environmental does not have any responsibility with regard to the Client's compliance with or fulfillment of its obligation under any law, ordinance, or regulation prevailing at any of the observed locations.

3.0 NARRATIVE DESCRIPTION OF SITE GEOLOGY

3.1 Site Characterization

The Site is located on broad sloping topography that is currently undeveloped. The Site consists of dense cedar and oak thickets interspersed with open grass and/or scrub brush areas.

The Site is bordered by Knights Cross Drive to the south, a church property to the west and north, and a vacant undeveloped lot to the east.

Site topography consists of a broad hillside sloping from the western portion of the Site generally to the east. The southern portion of the Site typically slopes to the east, while the northern portion of the Site slopes to the northeast towards a small erosional feature along the northern Site boundary. The highest elevation is approximately 1156 ft amsl at the western site boundary. The lowest elevation is approximately 1134 ft amsl at the northeastern Site corner where the erosional feature exits the Site. Surface water tends to largely sheetflow from the western portion to the easter, or towards the erosional feature along the northern Site boundary. The erosional feature emerges at the Site's northwestern corner and flows east along the northern boundary. The feature is ephemeral in nature, likely only having water during precipitation events. The erosional feature is fairly steep with few flat areas for water to pond. The majority of the erosional feature cuts down into bedrock as bedding with only a few areas of sediment/gravel.

The Site vegetation consists of overgrown oak savannah vegetation, such as grasses, scrub brush, and cactus in between oak and ashe juniper thickets. Other trees present within the thickets include Texas persimmon, chinaberry, and hackberry.

3.2 Site Geology

Per the TCEQ Edwards Aquifer Program GIS dataset, the entire Site is located within the Edwards Aquifer Recharge Zone. A map of the Site and Edwards Aquifer Zones is presented as **Figure D-3**.

The following resources were most utilized in mapping the Site geology:

- Digital Geologic Map Database for the State of Texas (USGS)
- 1982 Geologic Atlas of Texas, San Antonio Sheet (Bureau of Economic Geology)
- 1992 Geologic Map of Texas (Bureau of Economic Geology)
- 2005 Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas (USGS)
- 2016 Geologic Framework and Hydrostratigraphy of the Edwards ad Trinity Aquifers Within Northern Bexar and Comal Counties, Texas

High resolution geologic mapping in the Site area was best found in the 1982 Geologic Atlas of Texas, San Antonio Sheet (BEG) and the 2016 Geologic Framework and Hydrostratigraphy of the Edwards ad Trinity Aquifers Within Northern Bexar and Comal Counties, Texas (Clark et al, USGS). The 1982 San Antonio Sheet maps the Site as largely Edwards Limestone Undivided (Ked). The Digital Geologic Map Database for the State of Texas maps the Site as the Kainer Member (Kk) of the Edwards Group. Clark et al (2016) maps the Site as the Dolomitic Member of the Kainer Formation (Kkd).

Kainer Formation (Lower Cretaceous) - The entirety of the Site consists of the Kaier Formation of the Edwards Group. The Kainer Formation is the lower unit of the Edwards Group and can be subdivided into the following members: the basal nodular, dolomitic, Kirschberg Evaporite, and grainstone. The Kainer formation consists of nodular mudstones and grainstones, dolomitic limestones, chalky mudstones, and crystalline limestones. The Kainer Formation is the upper-most unit of the Edwards Aquifer in the area, and outcrops provide direct recharge to the aquifer. Clark et al maps the Site as the Dolomitic Member of the Kainer Formation (Small and Hanson, 1995; Collins, 2000, Clark et al 2016). Thickness ranges between 90-120 ft.

Edwards limestone outcroppings were observed throughout the Site. Typical outcroppings on the Site include minor bedding outcrops where soil has eroded and exposed bedding. Bedrock stair-step outcrops along the steep slopes of the drainage were also observed along the northern Site boundary. The outcroppings within the drainage range from 2' vertical solid bedrock to minor 6"-12" bedrock ledges. The outcroppings are present throughout the drainage and are present due to stream-cut erosion and not any particular faulting trends.

The Site is located in the Balcones Fault Zone where Edwards limestone outcrops north of the main Balcones fault. Based on literature research and field reconnaissance, the Site has no known or inferred faults on the Site or immediate surrounding area. Anding Environmental observed no fault structures on the Site during the field reconnaissance. No evidence of fault structures were observed on historic aerial imagery. Normal faulting is mapped as close as 0.25 miles to the southeast.

A geologic map of the Site is presented as **Figure D-5**. Attachment E, Photo Log, displays photographs of typical outcroppings of the mapped geologic unit on Site.

3.3 Site Soils

The entirety of the Site and surrounding area is mapped as Eckrant-Rock (ErG) soils. **Table 3-1** displays soils mapped on the Site and **Figure D-6** illustrates the soils in relation to the Site.

Table 3-1 – Site Soils

ErG - Eckrant-Rock outcrop association, 8% to 30% slopes

Eckrant-Rock outcrop association (ErG) – The entirety of the Site is mapped as Eckrant-Rock outcrop association soils. Eckrant-Rock soils tend to be shallow upland soils located on slopes. Topsoils are typically very dark gray or shades of dark brown and even black. ErG soils are very stony clays with many stone fragments ranging from 4" to 20" and can make up about 35% to 75% by volume of the soil horizon. These soils may be 10" thick and typically deposited on fractured limestone. The shallow soils are very well drained with limited soil moisture due to the lack of soil depth, abundance of limestone rocks, and slope location. (USDA/NRCS, 2024).

3.4 Site Assessment

Minor bedrock outcroppings were observed throughout the Site, and bedrock outcroppings are present along the incised erosional drainage slopes, along with slab bedrock in some portions of the erosional feature bed. One minor vuggy boulder was observed within the drainage, however vugginess was limited to the surface in a small area. The erosional feature drainage was carefully surveyed to identify any potential sensitive features where water could rapidly infiltrate into the subsurface, such as fractures or swallets. The few areas with sediment and/or gravel were assessed with shovel and dug into to confirm the presence of any such features; however, the bed of the channel was solid with no major fracturing or other features identified.

No other vuggy, highly-fractured, or other significant features with potential for rapid recharge were observed. No faulting was observed on the Site and the nearest mapped faults are located 0.25 miles to the southeast.

Anding Environmental observed no potential recharge features during the Site reconnaissance. No other geologic features, sensitive features, or potential recharge features were observed on the Site.

4.0 SUMMARY

Anding Environmental has conducted a Geologic Assessment for the referenced Site in accordance with 30 TAC §213.5(b)(3), TCEQ requirements for regulated developments within the Edwards Aquifer Recharge Zone, and the “Instructions to Geologists”, TCEQ-0585-Instructions (Rev. 10-1-04). No geologic or potentially sensitive features were observed on the Site.

The hillslope portion of the Site contains mostly rocky clay loam soils with high runoff and slower infiltration rates, and the drainage feature has high runoff potential. The drainage bottoms did not appear to have features which would provide opportunity for rapid infiltration into the subsurface. Therefore, it is Anding Environmental’s professional judgement that **the Site has low potential for rapid surface water movement to the Edwards Aquifer via direct infiltration.**

Please note that other karst features may exist on Site, either buried or obscured from view, which may have potential for openings to the subsurface. If any additional potentially karst features are discovered during future Site activities, please do not hesitate to contact Anding Environmental for support.

5.0 REFERENCES

Bureau of Economic Geology, 1992, Geologic Map of Texas: University of Texas at Austin, Virgil E. Barnes, project supervisor, Hartmann, B.M. and Scranton, D.F., cartography, scale 1: 500,000

Clark, K.C., Golab, J.G., Morris, R.R. 2016. Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers Within Northern Bexar and Comal Counties, Texas.USGS.

Collins, E.W., 2000, Geologic map of the New Braunfels, Texas, 30 x 60 minute quadrangle—Geologic framework of an urban-growth corridor along the Edwards aquifer, south-central Texas: University of Texas, Bureau of Economic Geology Miscellaneous Map 39, 28 p., 1 sheet, scale 1: 100,000.

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Federal Emergency Management Agency. Floodplain Maps. <https://msc.fema.gov/portal>

Stein, W.G., and Ozuna, G.B., 1995, Geologic framework and hydrogeologic characteristics of the Edwards aquifer recharge zone, Bexar County, Texas: U.S. Geological Survey Water-Resources Investigations Report 95-4030, 8 p., 1 sheet, scale 1:75,000.

Stoeser, D.B., Shock, Nancy, Green, G.N., Dumonceaux, G. M., and Heran, W.D., in press, A Digital Geologic Map Database for the State of Texas: U.S. Geological Survey Data Series.

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Texas Water Development Board. USGS Geologic Atlas of Texas (GAT) Viewer. <https://webapps.usgs.gov/txgeology/> Accessed May 2024.

United States Department of Agriculture (USDA), 2024. NRCS Web Soil Survey. *Custom Soil Report for Bexar County, Texas*. Accessed May 2024.

U.S. Geological Survey. Topographic Maps. <https://ngmdb.usgs.gov/maps/topoview/viewer>

U.S. Geological Survey. Texas Geology. <http://mrdata.usgs.gov/sgmc/tx.html>

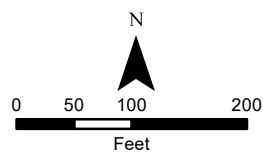
GEOLOGIC ASSESSMENT
ATTACHMENT D - SITE GEOLOGIC MAPS



Legend



Site



601 Knights Cross Drive
San Antonio, Bexar County, TX 78258

Site Location Map

Geologic Assessment
601 Knights Cross Drive, San Antonio, TX 78258

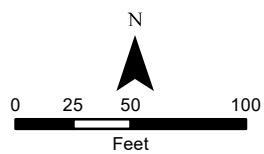


925 Lauren St.
New Braunfels, TX 78130

TC NO.	DATE	DRAWN BY	MAP NO.	FIGURE
24-006	5/15/2024	ANDING	001	D-1



Legend



*601 Knights Cross Drive
San Antonio, Bexar County, TX 78258*

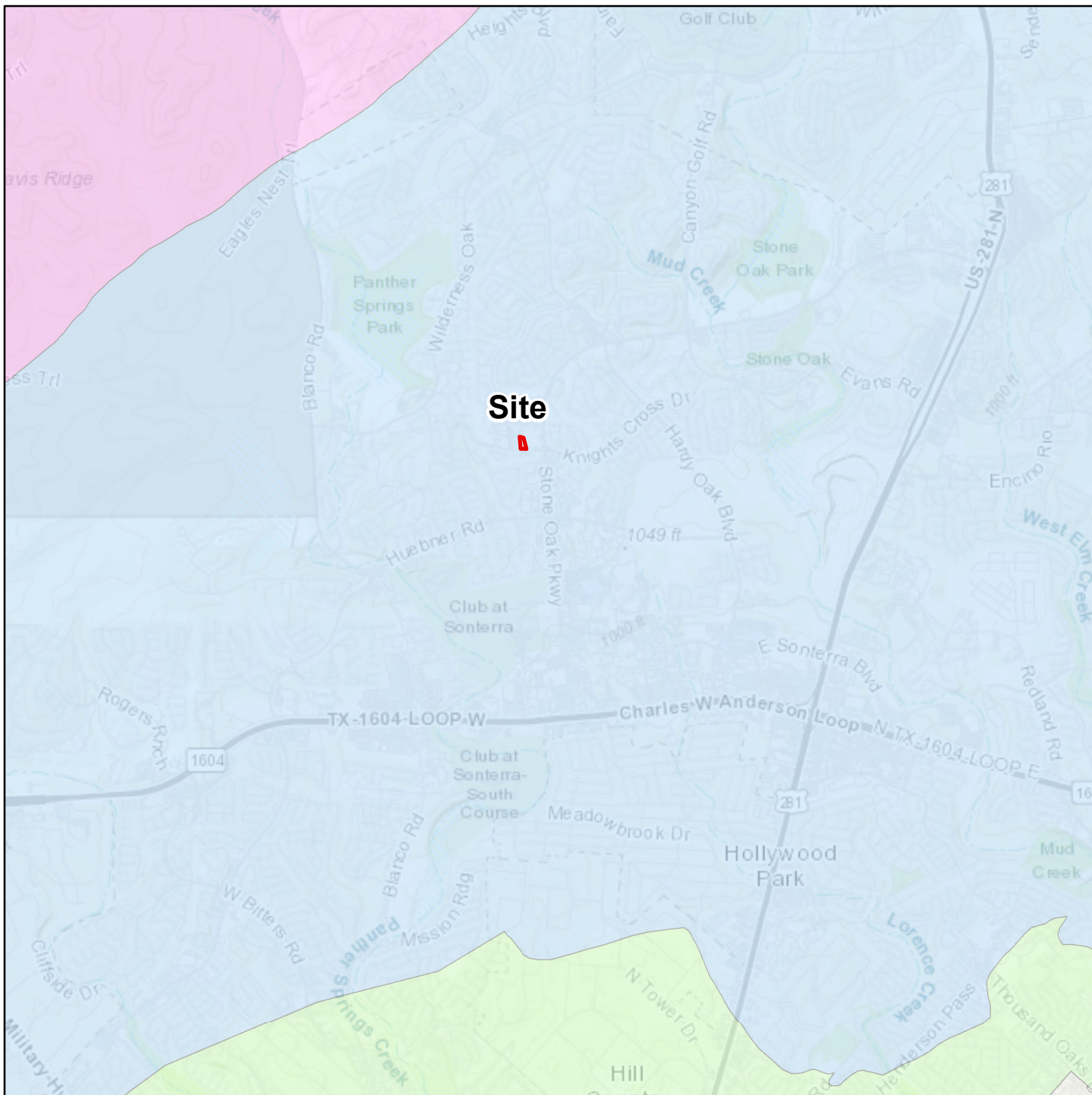
Site Aerial

*Geologic Assessment
601 Knights Cross Drive, San Antonio, TX 78258*



*938 River Terrace
New Braunfels, TX 78130*

TC NO.	DATE	DRAWN BY	MAP NO.	FIGURE
24-006	5/15/2024	ANDING	002	D-2



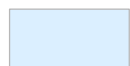
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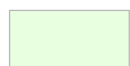
Site



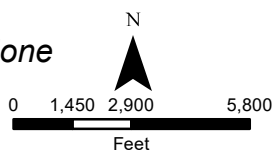
Edwards Aquifer Contributing Zone



Edwards Aquifer Recharge Zone



Edwards Aquifer Transition Zone



601 Knights Cross Drive
San Antonio, Bexar County, TX 78258

Edwards Aquifer Zone Map

Geologic Assessment
601 Knights Cross Drive, San Antonio, TX 78258

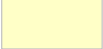



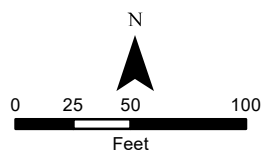
938 River Terrace
New Braunfels, TX 78130

TC NO.	DATE	DRAWN BY	MAP NO.	FIGURE
24-006	5/15/2024	ANDING	003	D-3



Legend

-  ErG - Eckrant-Rock outcrop association, 8% to 30 % slope
-  Site



*601 Knights Cross Drive
San Antonio, Bexar County, TX 78258*

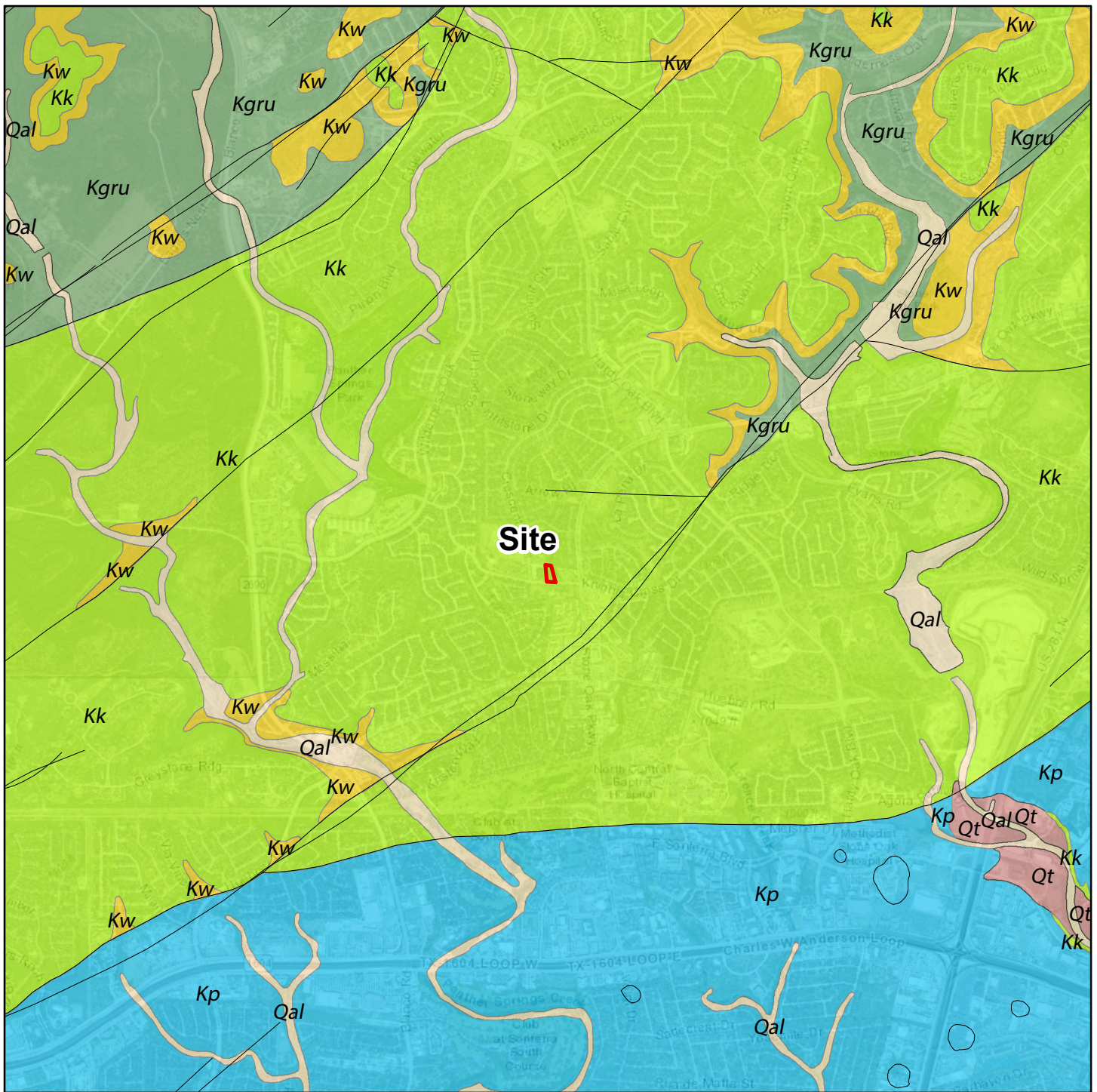
Site Soils

*Geologic Assessment
601 Knights Cross Drive, San Antonio, TX 78258*



*938 River Terrace
New Braunfels, TX 78130*

TC NO.	DATE	DRAWN BY	MAP NO.	FIGURE
24-006	5/15/2024	ANDING	005	D-5



Legend

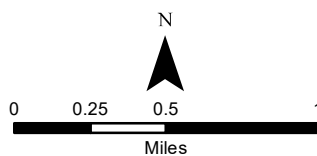
Surface Geology

- Qal - Alluvium
- Qt - Terrace Alluvium
- Kp - Person Formation
- Kk - Kainer Formation
- Kgru - Upper Glen Rose Formation
- Kw - Walnut Formation



Site

— Regionally Mapped Faults



601 Knights Cross Drive
San Antonio, Bexar County, TX 78258

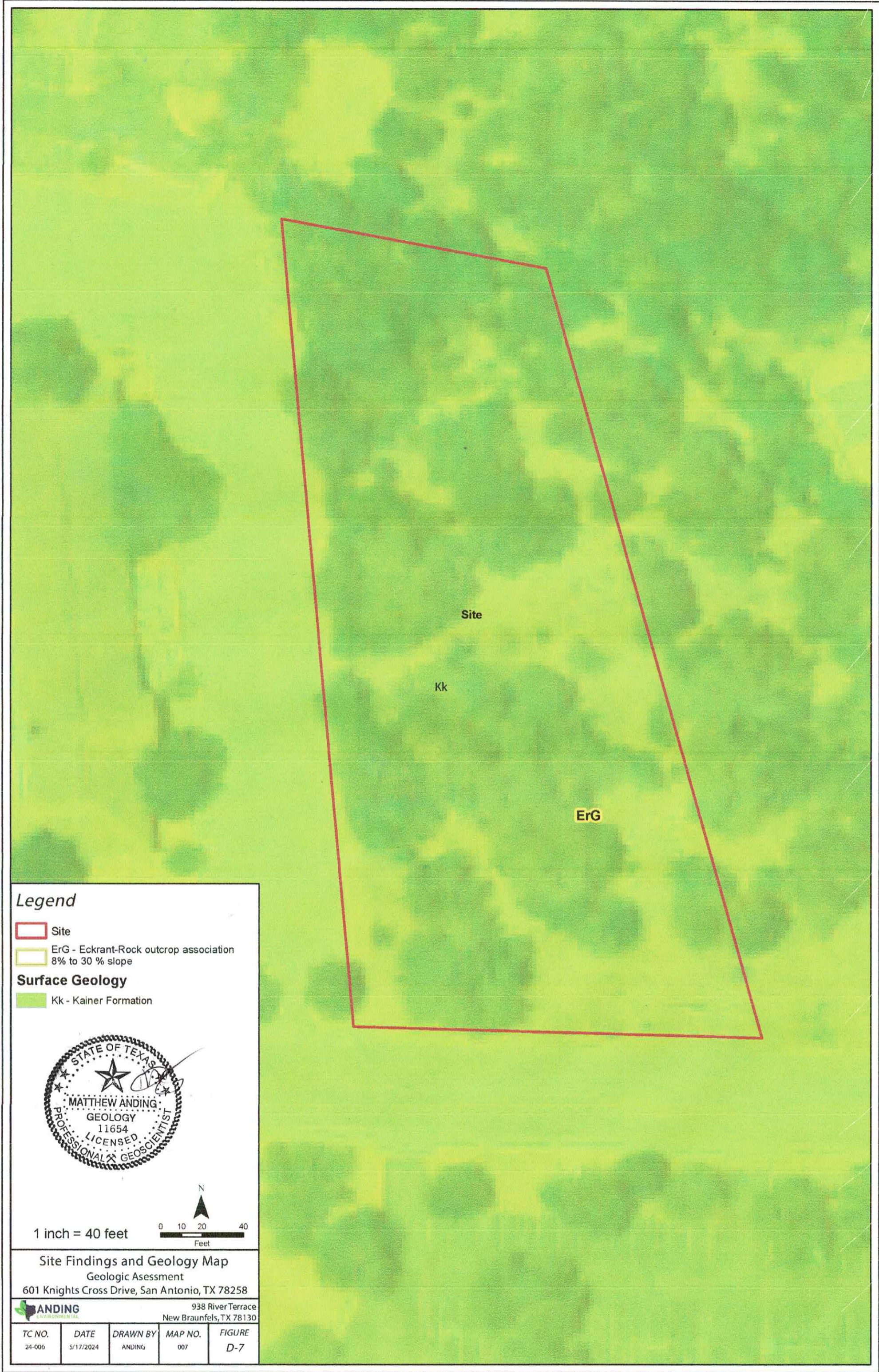
Regional Geology

Geologic Assessment
601 Knights Cross Drive, San Antonio, TX 78258



938 River Terrace
New Braunfels, TX 78130

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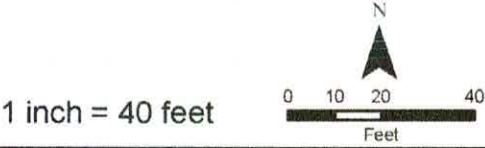
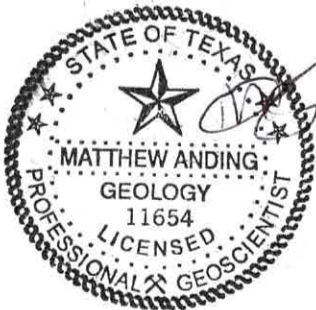



Legend

- Site
- ErG - Eckrant-Rock outcrop association
8% to 30 % slope

Surface Geology

- Kk - Kainer Formation



Site Findings and Geology Map				
Geologic Assessment				
601 Knights Cross Drive, San Antonio, TX 78258				
		938 River Terrace New Braunfels, TX 78130		
TC NO.	DATE	DRAWN BY	MAP NO.	FIGURE
24-006	5/17/2024	ANDING	007	D-7

**GEOLOGIC ASSESSMENT
ATTACHMENT E - PHOTO LOG**

Attachment E - Photo Log
Site Investigation Photos



Site



Southern Site Boundary Along Knights Cross Drive



Western Site Boundary from Adjacent Church Property



Northern Site Boundary from Adjacent Church Property



Eastern Site Boundary



Center of Site



**Typical Grass/ Scrub Brush Vegetation
Community**



**Typical Ashe Juniper/Oak Thicket Vegetation
Community**



Erosional Feature Emerging Along Western Site Boundary



Erosional Feature Along Northern Site Boundary



Erosional Feature Exiting Eastern Site Boundary



**Typical Shallow Eckrant-Rock Outcrop Soils
with Surficial Limestone Rocks**



Typical Shallow Eckrant-Rock Outcrop Soils



**Typical Shallow Eckrant-Rock Outcrop Soils
Test Pit**



Typical Edwards Limestone Slab Outcrop



Typical Edwards Limestone Slab Outcrop



Edwards Limestone Outcrop Along Erosional Feature



Typical Edwards Limestone Bedrock Along Erosional Feature Bed



Typical Edwards Limestone Bedrock Along Erosional Feature Bed



Area of Erosional Feature with Minor Vuggy Limestone

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: Matt Anding

Telephone: 832-641-8143

Date: 06/12/2024

Fax: _____

Representing: Anding Environmental Consulting, LLC (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

Regulated Entity Name: UDS Four, LLC

Project Information

1. Date(s) Geologic Assessment was performed: 06/10/2024

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)
ErG	B	6'

** 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" = 40'
 Site Geologic Map Scale: 1" = 40'
 Site Soils Map Scale (if more than 1 soil type): 1" = 40'
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 0 (#) 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

ATTACHMENT A - GEOLOGIC ASSESSMENT TABLE

[illegible]

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

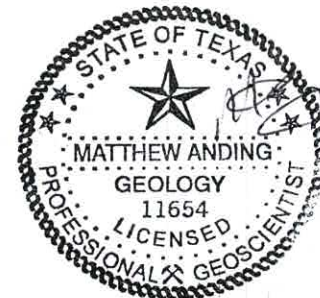
12 TOPOGRAPHY

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.

Matt Anding, P.G.

Date:06/12/2024



GEOLOGIC ASSESSMENT
ATTACHMENT B - STRATIGRAPHIC COLUMN

SITE STRATIGRAPHY (Edwards Aquifer)

STRATIGRAPHIC COLUMN

Hydrogeologic subdivision			Group, formation, or member		Hydro-logic function	Thickness (feet)	Lithology	Field identification	Cavern development	Porosity/ permeability type
			Del Rio Clay		CU	50 – 60	Blue-green to yellow-brown clay	Fossiliferous; <i>Ilymatogyra arietina</i>	None	None/primary upper confining unit
Lower Cretaceous	II	Edwards aquifer	Person Formation	Cyclic and marine members, undivided (4)	AQ	0 – 70	Mudstone to packstone; <i>miliolid</i> grainstone; chert	Boxwork vugs; light tan, massive; some <i>Toucasia</i> , <i>Caprinid</i> , and <i>Chondrodonta</i>	Many caves; might be associated with earlier karst development	Laterally extensive; both fabric and not fabric/water-yielding; one of the most porous and permeable; essentially absent in Travis County
	III			Leached and collapsed members, undivided (4)	AQ	30 – 80	Crystalline limestone; mudstone to wackestone to <i>miliolid</i> grainstone; chert; collapsed breccia	Light-gray, bioturbated iron-stained beds separated by massive limestone beds; <i>Toucasia</i> , <i>Chondrodonta</i>	Extensive lateral development; large rooms	Majority not fabric/ one of the most porous and permeable
	IV			Regional dense member (3)	CU	20 – 30	Light-tan, dense, argillaceous mudstone	Wispy iron-oxide stains; <i>Pleuromya knowltoni</i> , <i>Ceratostreon texanum</i>	None; only vertical fracture enlargement	Not fabric/ low permeability; vertical barrier
	V		Kainer Formation	Grainstone member (2)	AQ	45 – 60	Light-gray, <i>miliolid</i> grainstone; mudstone to wackestone; chert	White crossbedded grainstone; <i>Toucasia</i> , <i>Turritella</i> , and <i>Chondrodonta</i>	Few caves	Not fabric/ recrystallization reduces permeability
	VI			Kirschberg evaporite member (1)	AQ	65 – 75	Light-gray, crystalline limestone; chalky mudstone; chert	Boxwork voids, with neospar and travertine frame; <i>Cladophyllia</i> and <i>Turritella</i>	Probably extensive cave development	Majority fabric/ one of the most porous and permeable
	VII			Dolomitic member (1)	AQ	110 – 150	Mudstone to grainstone; crystalline limestone; chert	Massively bedded, light gray, <i>Toucasia</i> abundant; <i>Dictyoconus walnutensis</i> , <i>Caprinid</i>	Caves related to structure or bedding planes	Mostly not fabric; some bedding-plane fabric/ water-yielding; locally permeable
	VIII			Basal nodular member	Karst AQ; not karst CU	45 – 60	Shaly, fossiliferous, nodular limestone; mudstone; <i>miliolid</i> grainstone	Massive, nodular and mottled; <i>Ceratostreon texanum</i> , <i>Dictyoconus walnutensis</i> , and <i>Texigryphaea</i>	Few leaves	Fabric/low permeability
		Lower confining unit	Upper member of the Glen Rose Limestone		CU; evaporite beds AQ	350 – 500	Yellowish-tan, thinly bedded limestone and marl	Stair-step topography; alternating limestone and marl	Some surface cave development	Some water production at evaporite beds/ relatively impermeable

GEOLOGIC ASSESSMENT
ATTACHMENT C - SITE GEOLOGY



GEOLOGIC ASSESSMENT

677 Knights Cross Drive
San Antonio, Bexar County, TX 78258

Prepared for:
UDS Four, LLC
Prepared by:
Anding Environmental Consulting, LLC
June 2024

Geologic Assessment

677 Knights Cross Drive
San Antonio, Bexar County, Texas, 78258

Prepared for:
UDS Four, LLC

Prepared by:



Anding Environmental Consulting, LLC
938 River Terrace
New Braunfels, TX 78130

June 2024

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Table 3-1 Site Soils

Attachments

Attachment A	Geologic Assessment Table
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Attachment C	Site Geology and Geologic Assessment
Attachment D	Site Geologic Maps
Attachment E	Photo Log

Acronyms

BMP	Best Management Practices
EAPP	Edwards Aquifer Protection Plan
FEMA	Federal Emergency Management Administration
GPS	Global Positioning System
TCEQ	Texas Commission on Environmental Quality
USDA	United States Department of Agriculture
USGS	United States Geological Survey

1.0 INTRODUCTION AND PURPOSE

1.1 Introduction

This Geologic Assessment was prepared in general accordance with to 30 TAC §213.5(b)(3), effective September 01, 2003, Texas Commission on Environmental Quality (TCEQ) requirements for regulated developments within the Edwards Aquifer Recharge Zone, and the “Instructions to Geologists”, TCEQ-0585-Instructions (Rev. 10-1-04). Per TCEQ guidance, a proposed project on the Site for future development of a commercial business requires a Geologic Assessment to identify all potential pathways for contaminant movement to the Edwards Aquifer and provide sufficient geologic information so that the appropriate Best Management Practices (BMPs) can be proposed in the Edwards Aquifer Protection Plan (EAPP). This Geologic Assessment has been prepared by a Texas Board of Professional Geoscientists licensed geologist, Mr. Matt Anding, P.G.

1.2 Project Description

The Site is located at 677 Knights Cross Drive, San Antonio, TX 78258, near the intersection of Knights Cross Drive and Stone Oak Pkwy. The center of the Site is located at 29°37'59.53"N Latitude and 98°29'50.39"W Longitude (WGS 84), and the Site is ~1.17 acres in size. The Site is currently undeveloped. The property location is depicted on **Figure D-1**. A project is in place to develop the Site with as a medical office and surgery center.

2.0 METHODOLOGY

2.1 Research Information

The Geologic Assessment was performed by Matt Anding, P.G., with Anding Environmental Consulting, LLC (Anding Environmental) on June 10, 2024. Anding Environmental first conducted a desktop analysis of the geology of the area surrounding the Site. The research included, but was not limited to, the Geologic Atlas of Texas, Federal Emergency Management Agency (FEMA) maps, Edwards Aquifer Recharge Zone Maps, USGS 7.5 Minute Quadrangle Maps, Bureau of Economic Geology online digital data, historic aerials and topographic maps, and the United States Department of Agriculture (USDA) Soil Survey of Bexar County, Texas.

2.2 Field Survey

After reviewing the available desktop information, a field investigation was performed to identify any geologic or man-made potential recharge features. A transect spacing of approximately 25-50 feet, or less depending on Site vegetation, was used to inspect the Site. A 2022 aerial photograph, in conjunction with a hand held sub-meter Trimble GeoXH Global Positioning System (GPS), was used to navigate on the property and search for potential recharge features, as recommended in the “Instructions to Geologists”, TCEQ-0585-Instructions (Rev. 10-1-04). The Geologic Assessment Form, Stratigraphic Column, and the Geologic Assessment Table have been filled with the appropriate information for this Site and are included in this report. Special attention was given to the mapped faults, bedrock outcroppings, and other structural features mapped in the area.

2.3 Data Gaps

No data gaps were incurred during the desktop analysis or field reconnaissance.

2.4 Limitations of Assessment

No Geologic Assessment can wholly eliminate uncertainty regarding potential pathways for contaminant movement to the Edwards Aquifer in connection with a property. Performance of a Geologic Assessment in accordance with TCEQ-0585 instructions is intended to reduce, but cannot eliminate, uncertainty regarding the potential for surficial points of infiltration in connection with a property, and the TCEQ recognizes reasonable limits of time and cost.

Anding Environmental assumes no responsibility for the discovery of any surficial or subsurface points of infiltration, caves, solution cavities or enlarged fractures/faults, sinkholes, or any other karst features not observed during this Geologic Assessment. Anding Environmental does not have any responsibility with regard to the Client's compliance with or fulfillment of its obligation under any law, ordinance, or regulation prevailing at any of the observed locations.

3.0 NARRATIVE DESCRIPTION OF SITE GEOLOGY

3.1 Site Characterization

The Site is located on broad sloping topography that is currently undeveloped. The Site consists of dense cedar and oak thickets interspersed with open grass and/or scrub brush areas.

The Site is bordered by Knights Cross Drive to the south, an undeveloped lot to the west, a Church property to the north, and a school to the east.

Site topography consists of a broad hillside sloping from the western portion of the Site generally to the east. The southern portion of the Site typically slopes to the east, while the northern portion of the Site slopes to the northeast towards a small erosional feature along the northern Site boundary. The eastern boundary consists of a limestone ledge and steep drop-off to a manmade limestone block retaining wall. The top of the retaining wall has a concrete drainage swale that flows to the north and south. The highest elevation is approximately 1144 ft amsl at the western site boundary. The lowest elevation is approximately 1124 ft amsl along the eastern Site boundary. Surface water tends to largely sheetflow from the western portion to the eastern boundary drainage feature atop the retaining wall, or towards the erosional feature along the northern Site boundary. The erosional feature emerges just west of the Site's northwestern corner and flows east along the northern boundary. The main drainage feature flows just offsite north of the boundary, but a smaller braided swale runs along the northern boundary. The feature is ephemeral in nature, likely only having water during precipitation events. The erosional feature is fairly sloped with few flat areas for water to pond. The majority of the erosional feature consists of soil and gravel though some areas cut down into bedrock as bedding.

The Site vegetation consists of overgrown oak savannah vegetation, such as grasses, scrub brush, and cactus in between oak and ashe juniper thickets. Other trees present within the thickets include Texas persimmon, chinaberry, and hackberry.

3.2 Site Geology

Per the TCEQ Edwards Aquifer Program GIS dataset, the entire Site is located within the Edwards Aquifer Recharge Zone. A map of the Site and Edwards Aquifer Zones is presented as **Figure D-3**.

The following resources were most utilized in mapping the Site geology:

- Digital Geologic Map Database for the State of Texas (USGS)
- 1982 Geologic Atlas of Texas, San Antonio Sheet (Bureau of Economic Geology)
- 1992 Geologic Map of Texas (Bureau of Economic Geology)
- 2005 Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas (USGS)
- 2016 Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers Within Northern Bexar and Comal Counties, Texas

High resolution geologic mapping in the Site area was best found in the 1982 Geologic Atlas of Texas, San Antonio Sheet (BEG) and the 2016 Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers Within Northern Bexar and Comal Counties, Texas (Clark et al,

USGS). The 1982 San Antonio Sheet maps the Site as largely Edwards Limestone Undivided (Ked). The Digital Geologic Map Database for the State of Texas maps the Site as the Kainer Member (Kk) of the Edwards Group. Clark et al (2016) maps the Site as the Dolomitic Member of the Kainer Formation (Kkd).

Kainer Formation (Lower Cretaceous) - The entirety of the Site consists of the Kainer Formation of the Edwards Group. The Kainer Formation is the lower unit of the Edwards Group and can be subdivided into the following members: the basal nodular, dolomitic, Kirschberg Evaporite, and grainstone. The Kainer formation consists of nodular mudstones and grainstones, dolomitic limestones, chalky mudstones, and crystalline limestones. The Kainer Formation is the upper-most unit of the Edwards Aquifer in the area, and outcrops provide direct recharge to the aquifer. Clark et al maps the Site as the Dolomitic Member of the Kainer Formation (Small and Hanson, 1995; Collins, 2000, Clark et al 2016). Thickness ranges between 90-120 ft.

Edwards limestone outcroppings were observed throughout the Site. Typical outcroppings on the Site include minor bedding outcrops where soil has eroded and exposed bedding. Bedrock stair-step outcrops along the eastern slopes of the Site were also observed, including along the majority of the eastern Site boundary. The outcroppings within the drainage range consist of slab bedding along the floor of the drainage are present due to stream-cut erosion and not any particular faulting trends.

The Site is located in the Balcones Fault Zone where Edwards limestone outcrops north of the main Balcones fault. Based on literature research and field reconnaissance, the Site has no known or inferred faults on the Site or immediate surrounding area. Anding Environmental observed no fault structures on the Site during the field reconnaissance. No evidence of fault structures were observed on historic aerial imagery. Normal faulting is mapped as close as 0.25 miles to the southeast.

A geologic map of the Site is presented as **Figure D-5**. Attachment E, Photo Log, displays photographs of typical outcroppings of the mapped geologic unit on Site.

3.3 Site Soils

The entirety of the Site and surrounding area is mapped as Eckrant-Rock (ErG) soils. **Table 3-1** displays soils mapped on the Site and **Figure D-6** illustrates the soils in relation to the Site.

Table 3-1 – Site Soils

ErG - Eckrant-Rock outcrop association, 8% to 30% slopes

Eckrant-Rock outcrop association (ErG) – The entirety of the Site is mapped as Eckrant-Rock outcrop association soils. Eckrant-Rock soils tend to be shallow upland soils located on slopes. Topsoils are typically very dark gray or shades of dark brown and even black. ErG soils are very stony clays with many stone fragments ranging from 4” to 20” and can make up about 35% to 75% by volume of the soil horizon. These soils may be 10” thick and typically deposited on fractured

limestone. The shallow soils are very well drained with limited soil moisture due to the lack of soil depth, abundance of limestone rocks, and slope location. (USDA/NRCS, 2024).

3.4 Site Assessment

Minor bedrock outcroppings were observed throughout the Site, and stairstep bedrock outcroppings are present along the eastern Site boundary, along with slab bedrock in some portions of the erosional feature bed. The erosional feature drainage was carefully surveyed to identify any potential sensitive features where water could rapidly infiltrate into the subsurface, such as fractures or swallets. Multiple areas with sediment and/or gravel were assessed with shovel and dug into to confirm the presence of any such features; however, the bed of the channel was solid with no major fracturing or other features identified. No faulting was observed on the Site and the nearest mapped faults are located 0.25 miles to the southeast.

One geologic feature (SC1), a potential solution cavity, was observed along the eastern Site Boundary along the stairstep outcropping. SC1 consists of a 6” wide by 8” tall by 18” deep solution cavity in the side of the stairstep outcropping just above the manmade retaining wall. The limestone along the eastern site boundary was excavated to some degree to accommodate the retaining wall, as the limestone ledge was observed to be scraped and broken by heavy machinery along the wall. SC1 is situated at the base of a broken limestone ledge and appears to be either a product of excavation, or perhaps revealed during excavation. Well developed, thin fine dark brown ErG soils were observed to fill the cavity, which has a solid bedrock bottom with no observed significant fracturing or additional cavities. The cavity does not appear to act as a significant rapid flowpath for surface water to the aquifer due to its’ positioning on the stair step ledges on top of the drainage. Surface water would appear to flow over the ledge and continue down the slope into the drainage. No soil, vegetation, or erosional evidence indicating flow into the cavity was observed. It is Anding Environmental’s professional judgement that the solution cavity likely has slow infiltration and would not be considered a sensitive feature.

No other geologic features, sensitive features, or potential recharge features were observed on the Site.

4.0 SUMMARY

Anding Environmental has conducted a Geologic Assessment for the referenced Site in accordance with 30 TAC §213.5(b)(3), TCEQ requirements for regulated developments within the Edwards Aquifer Recharge Zone, and the “Instructions to Geologists”, TCEQ-0585-Instructions (Rev. 10-1-04). No potentially sensitive features were observed on the Site.

The hillslope portion of the Site contains mostly rocky clay loam soils with high runoff and slower infiltration rates, and the drainage feature has high runoff potential. The drainage bottoms did not appear to have features which would provide opportunity for rapid infiltration into the subsurface. Therefore, it is Anding Environmental’s professional judgement that **the Site has low potential for rapid surface water movement to the Edwards Aquifer via direct infiltration.**

Please note that other karst features may exist on Site, either buried or obscured from view, which may have potential for openings to the subsurface. If any additional potentially karst features are discovered during future Site activities, please do not hesitate to contact Anding Environmental for support.

5.0 REFERENCES

Bureau of Economic Geology, 1992, Geologic Map of Texas: University of Texas at Austin, Virgil E. Barnes, project supervisor, Hartmann, B.M. and Scranton, D.F., cartography, scale 1: 500,000

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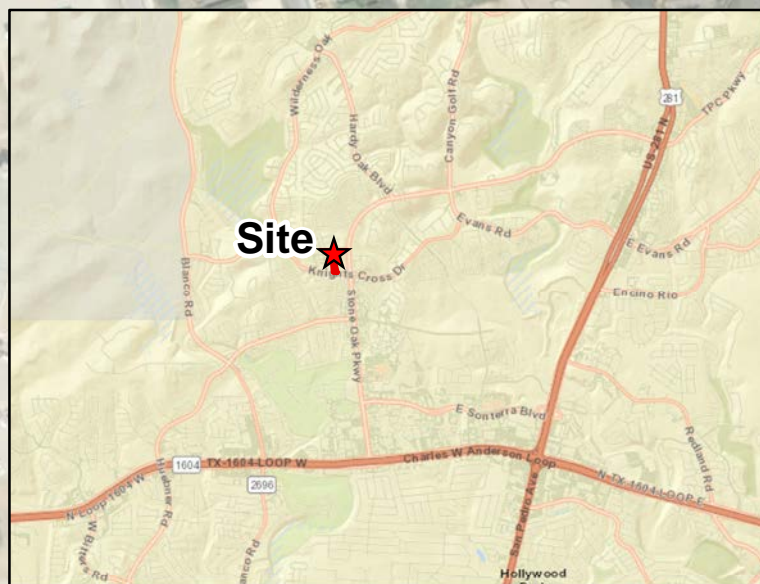
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U.S. Geological Survey. Topographic Maps. <https://ngmdb.usgs.gov/maps/topoview/viewer>

U.S. Geological Survey. Texas Geology. <http://mrddata.usgs.gov/sgmc/tx.html>

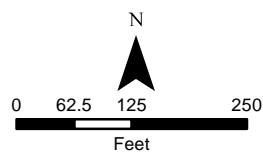
GEOLOGIC ASSESSMENT
ATTACHMENT D - SITE GEOLOGIC MAPS



Legend



Site



**677 Knights Cross Drive
San Antonio, Bexar County, TX 78258**

Site Location Map

Geologic Assessment
677 Knights Cross Drive, San Antonio, TX 78258



925 Lauren St.
New Braunfels, TX 78130

TC NO.	DATE	DRAWN BY	MAP NO.	FIGURE
24-007	6/3/2024	ANDING	001	D-1

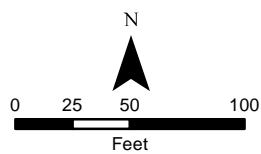


Site

Legend



Site



**677 Knights Cross Drive
San Antonio, Bexar County, TX 78258**

Site Aerial

Geologic Assessment
677 Knights Cross Drive, San Antonio, TX 78258



925 Lauren St.
New Braunfels, TX 78130

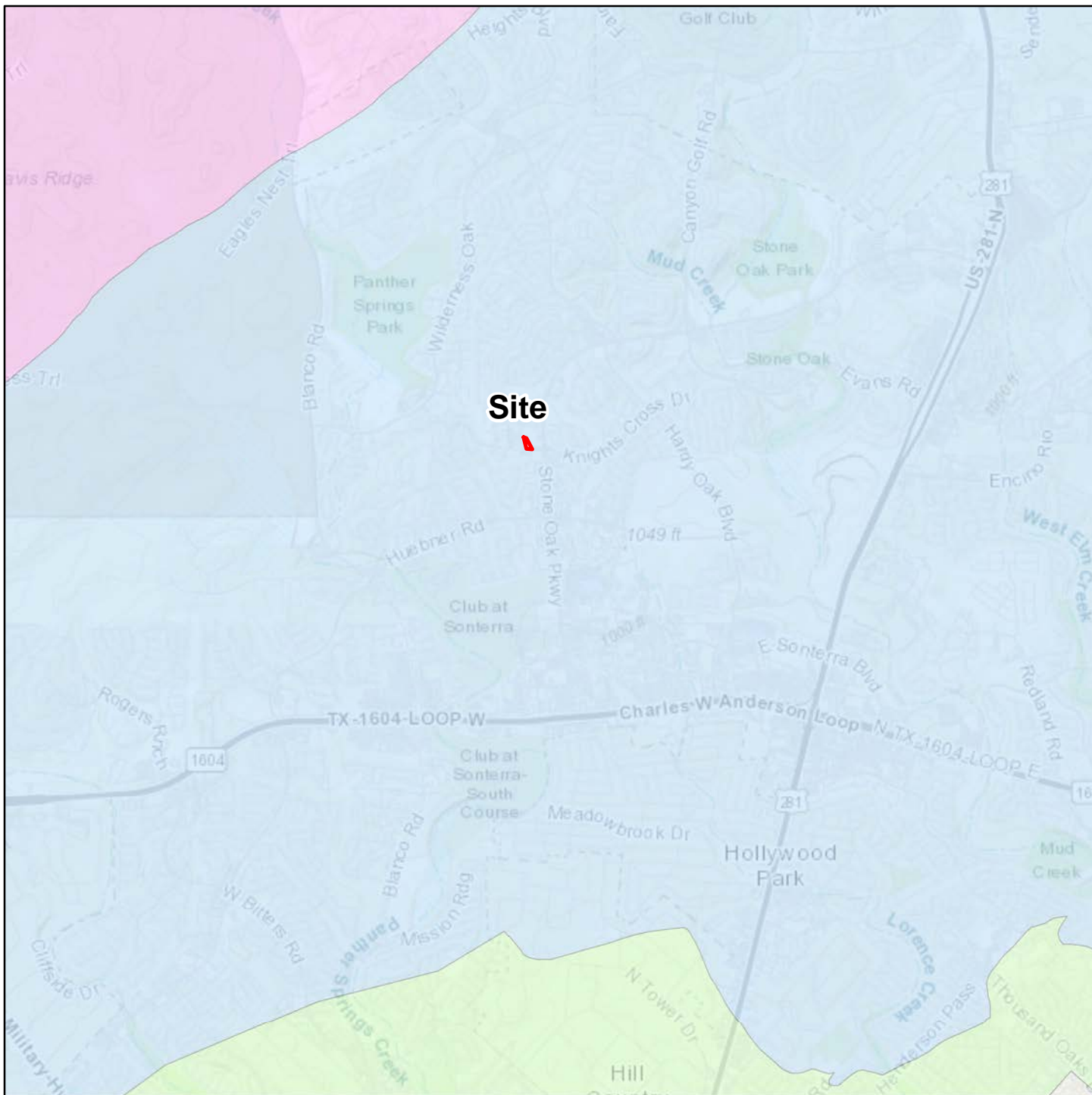
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24-007

DATE
6/3/2024

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ANDING

MAP NO.
002

FIGURE
D-2



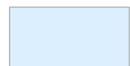
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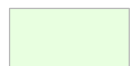
Site



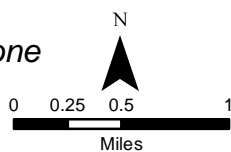
Edwards Aquifer Contributing Zone



Edwards Aquifer Recharge Zone



Edwards Aquifer Transition Zone



**677 Knights Cross Drive
San Antonio, Bexar County, TX 78258**

Edwards Aquifer Zone Map

Geologic Assessment
677 Knights Cross Drive, San Antonio, TX 78258



938 River Terrace
New Braunfels, TX 78130

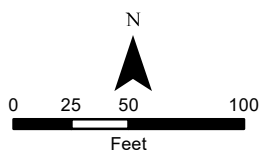
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24-007	6/3/2024	ANDING	003	D-3

**FIGURE
D-4**



Legend

- ErG - Eckrant-Rock outcrop association, 8% to 30 % slope
- Site



**677 Knights Cross Drive
San Antonio, Bexar County, TX 78258**

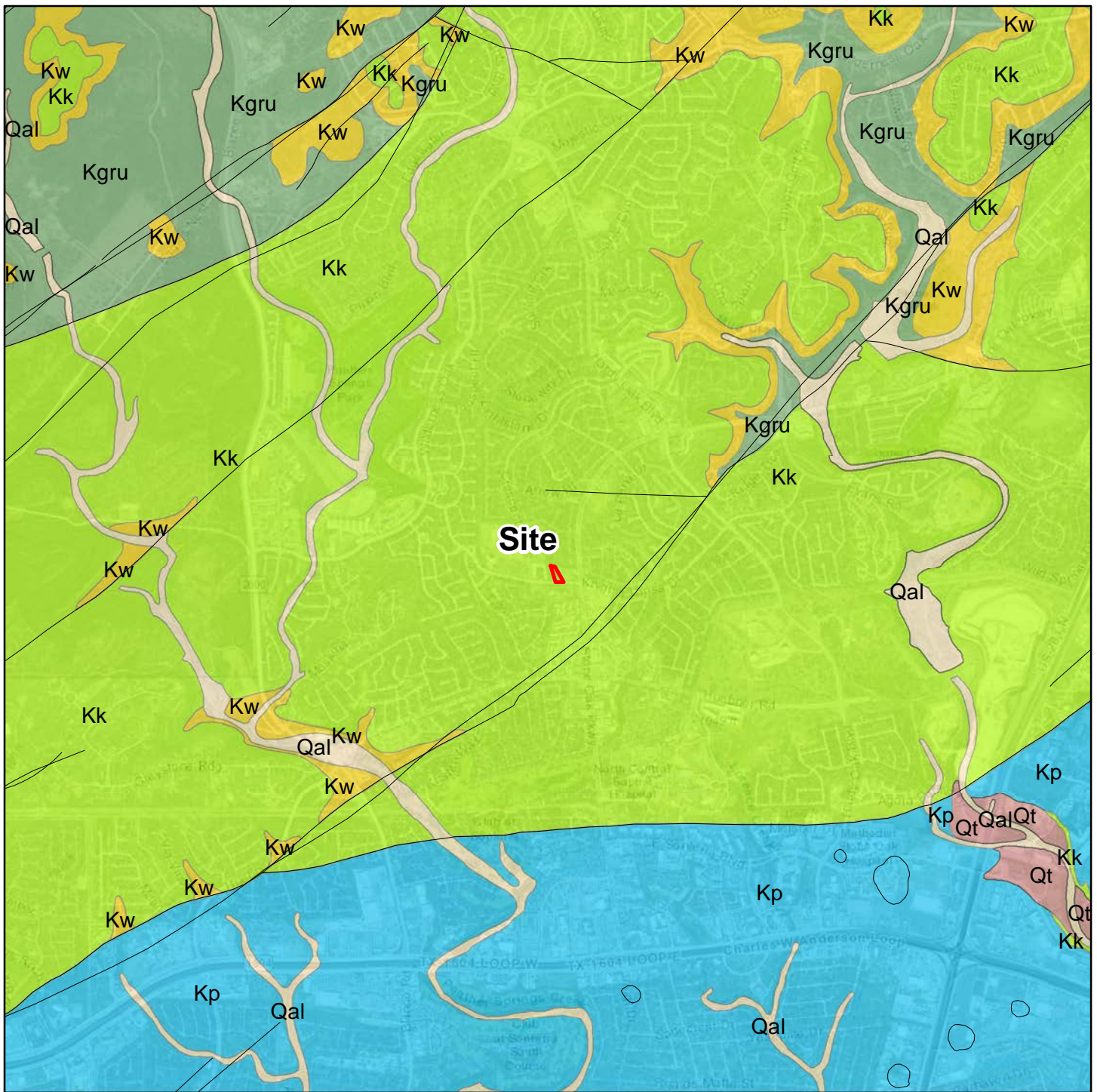
Site Soils

Geologic Assessment
677 Knights Cross Drive, San Antonio, TX 78258



938 River Terrace
New Braunfels, TX 78130

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24-007	6/13/2024	ANDING	005	D-5



Legend

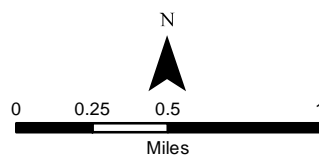
Surface Geology

- Qal - Alluvium
- Qt - Terrace Alluvium
- Kp - Person Formation
- Kk - Kainer Formation
- Kgru - Upper Glen Rose Formation
- Kw - Walnut Formation



Site

Regionally Mapped Faults



677 Knights Cross Drive
San Antonio, Bexar County, TX 78258

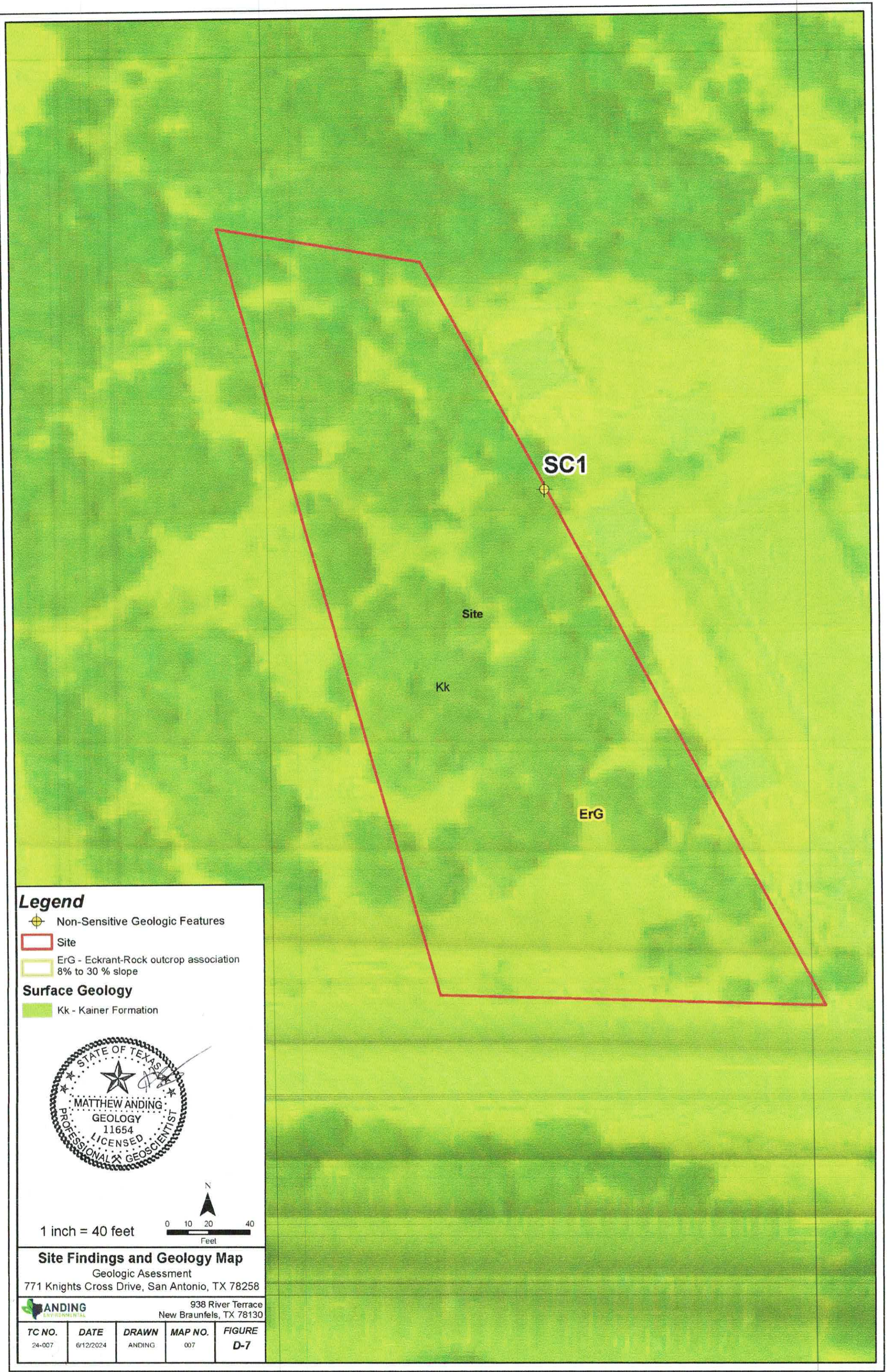
Regional Geology

Geologic Assessment
677 Knights Cross Drive, San Antonio, TX 78258






938 River Terrace
New Braunfels, TX 78130

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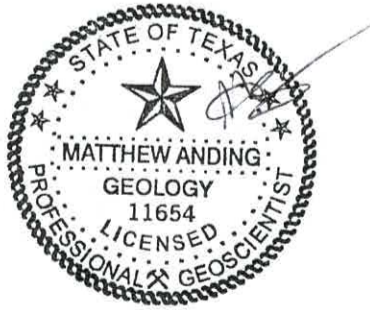


Legend

-  Non-Sensitive Geologic Features
-  Site
-  ErG - Eckrant-Rock outcrop association
8% to 30 % slope

Surface Geology


-  Kk - Kainer Formation



Site Findings and Geology Map

Geologic Assessment

771 Knights Cross Drive, San Antonio, TX 78258

 **MATTHEW ANDING ENVIRONMENTAL** 938 River Terrace
New Braunfels, TX 78130

TC NO.	DATE	DRAWN	MAP NO.	FIGURE
24-007	6/12/2024	ANDING	007	D-7

**GEOLOGIC ASSESSMENT
ATTACHMENT E - PHOTO LOG**

Attachment E - Photo Log
Site Investigation Photos



Site



Southern Site Boundary Along Knights Cross Drive



Western Site Boundary



Northern Site Boundary



Eastern Site Boundary



Center of Site



**Typical Grass/ Scrub Brush Vegetation
Community**



**Typical Ashe Juniper/Oak Thicket Vegetation
Community**



Erosional Feature Entering Northwestern Site Boundary



Erosional Feature Along Northern Site Boundary



Erosional Feature Exiting Northeastern Site Boundary



Typical Shallow Eckrant-Rock Outcrop Soils



**Typical Shallow Eckrant-Rock Outcrop Soils
with Surficial Limestone Rocks**



**Typical Shallow Eckrant-Rock Outcrop Soils
Test Pit**



Typical Edwards Limestone Slab Outcrop



**Typical Edwards Limestone Outcrop Along
Eastern Slope**



**Stairstep Ledge Edwards Limestone Outcrop
Along Eastern Site Boundary**



**Stairstep Ledge Edwards Limestone Outcrop
Along Eastern Site Boundary**



**Evidence of Heavy Machinery on Limestone
Along Eastern Site Boundary Ledge**



**SC1 Solution Cavity
Eastern Site Boundary**



**SC1 Solution Cavity
Eastern Site Boundary**

Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

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

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

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

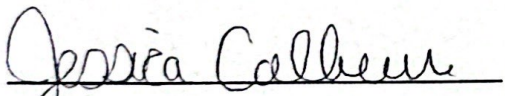
Signature

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

Print Name of Customer/Agent: Jessica Calhoun, P.E.

Date: 10/22/2024

Signature of Customer/Agent:



Regulated Entity Name: Omni Medical Center

Regulated Entity Information

1. The type of project is:

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

2. Total site acreage (size of property): 2.46

3. Estimated projected population: 0

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

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	8,715	$\div 43,560 =$	0.20
Parking	31,429	$\div 43,560 =$	0.72
Other paved surfaces	5,227	$\div 43,560 =$	0.12
Total Impervious Cover	45,371	$\div 43,560 =$	1.04

Total Impervious Cover 45,371 \div Total Acreage 2.46 X 100 = 41.8% Impervious Cover

5. ☒ **Attachment A - Factors Affecting Surface Water Quality.** A detailed description of all factors that could affect surface water and groundwater quality that addresses ultimate land use is attached.
6. ☒ Only inert materials as defined by 30 TAC §330.2 will be used as fill material.

For Road Projects Only

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

7. Type of project:

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

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

- ☐ Concrete
- ☐ Asphaltic concrete pavement
- ☐ Other: _____

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

Width of R.O.W.: _____ feet.

$L \times W =$ _____ $\text{Ft}^2 \div 43,560 \text{ Ft}^2/\text{Acre} =$ _____ acres.

10. Length of pavement area: _____ feet.

Width of pavement area: _____ feet.

$L \times W =$ _____ $\text{Ft}^2 \div 43,560 \text{ Ft}^2/\text{Acre} =$ _____ acres.

Pavement area _____ acres \div R.O.W. area _____ acres $\times 100 =$ _____ % impervious cover.

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

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

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

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

<u>0</u> % Domestic	<u>0</u> Gallons/day
<u>0</u> % Industrial	<u>0</u> Gallons/day
<u>100</u> % Commingled	<u>3500</u> Gallons/day
TOTAL gallons/day <u>3500</u>	

15. Wastewater will be disposed of by:

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

☐ **Attachment C - Suitability Letter from Authorized Agent.** An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.

☐ Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.

☒ Sewage Collection System (Sewer Lines):

☒ Private service laterals from the wastewater generating facilities will be connected to an existing SCS.

☐ Private service laterals from the wastewater generating facilities will be connected to a proposed SCS.

☐ The SCS was previously submitted on_____.

☐ The SCS was submitted with this application.

☐ The SCS will be submitted at a later date. The owner is aware that the SCS may not be installed prior to Executive Director approval.

☒ The sewage collection system will convey the wastewater to the East Sewershed (name) Treatment Plant. The treatment facility is:

☒ Existing.

☐ Proposed.

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

Site Plan Requirements

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

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

Site Plan Scale: 1" = 20'.

18. 100-year floodplain boundaries:

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

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

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): 48029C014G dated 9/29/2010

19. ☒ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, open space, etc. are shown on the plan.

☐ The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, open space, etc. are shown on the site plan.

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

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

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

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

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

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

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

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

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

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

- 22. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.
- 23. ☒ Areas of soil disturbance and areas which will not be disturbed.
- 24. ☒ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 25. ☒ Locations where soil stabilization practices are expected to occur.
- 26. ☐ Surface waters (including wetlands).
☒ N/A
- 27. ☐ Locations where stormwater discharges to surface water or sensitive features are to occur.
☒ There will be no discharges to surface water or sensitive features.
- 28. ☒ Legal boundaries of the site are shown.

Administrative Information

- 29. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
- 30. ☒ Any modification of this WPAP will require Executive Director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

WATER POLLUTION ABATEMENT PLAN
ATTACHMENT A
Factors Affecting Water Quality

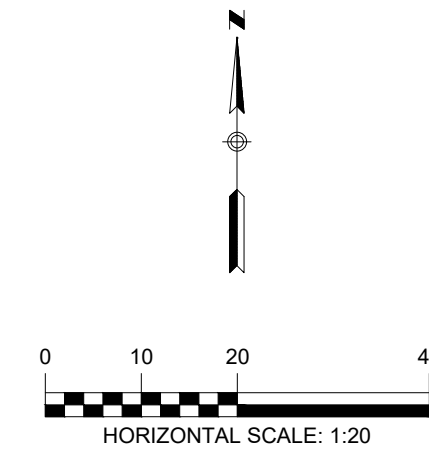
The proposed Omni Medical Center site improvements include the construction of 8,715 square feet (0.20 acres) of structures, 31,429 square feet (0.72 acres) of parking and driveway, and the remaining 5,227 square feet (0.12 acres) is other paved surfaces. The offsite area flow will be routed around the proposed improvements and therefore are not used in our water quality calculations. The factor affecting water quality were runoff sediment transport from the construction being performed. However, temporary BMP measures were taken to ensure water quality is not impaired by construction.

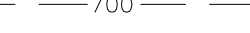
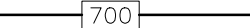


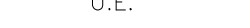
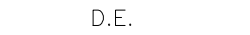




WATER POLLUTION ABATEMENT PLAN
ATTACHMENT B
Volume and Character of Stormwater

The proposed Omni Medical Center site cover is 2.46 acres. The Existing Drainage Area Map and Proposed Drainage Area Map (with their corresponding flow calculations) can be found in Exhibit A Omni Medical Center Existing Drainage and Exhibit B Omni Medical Center Proposed Drainage, respectively.

There is no existing impervious cover on the 2.46 acres. The proposed construction will increase the impervious cover to be 1.04 acres or 41.8% at full development of the site. The plans include a permanent BMP to treat the increase of TSS due to this development. The resulting TSS removal from the proposed development is 986 pounds, which exceeds the 80% TSS removal standard set by TCEQ. The proposed permanent BMP is a Batch Detention Basin. The proposed permanent BMP and details can be found on Exhibit C Omni Medical Center Permanent Stormwater BMPs.

The existing and proposed runoff from the site was determined using the Rational Method. The existing runoff coefficient for the undeveloped portion of the site is 0.47 based on the undeveloped range on a 1-3% slope. The proposed conditions runoff coefficient a weighted average of impervious (concrete, asphalt, and crushed rock) and range on a 1-3% slope. These values were derived from the most current revision of the City of San Antonio Drainage Criteria Manual and uses the Atlas 14 P-2 flows for the City of San Antonio. Tables showing the drainage areas and resulting flows are in the drainage area maps contained on the Drainage Area Maps referenced above.

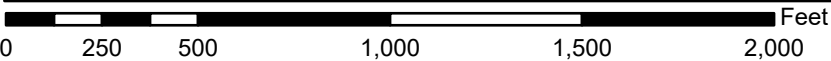
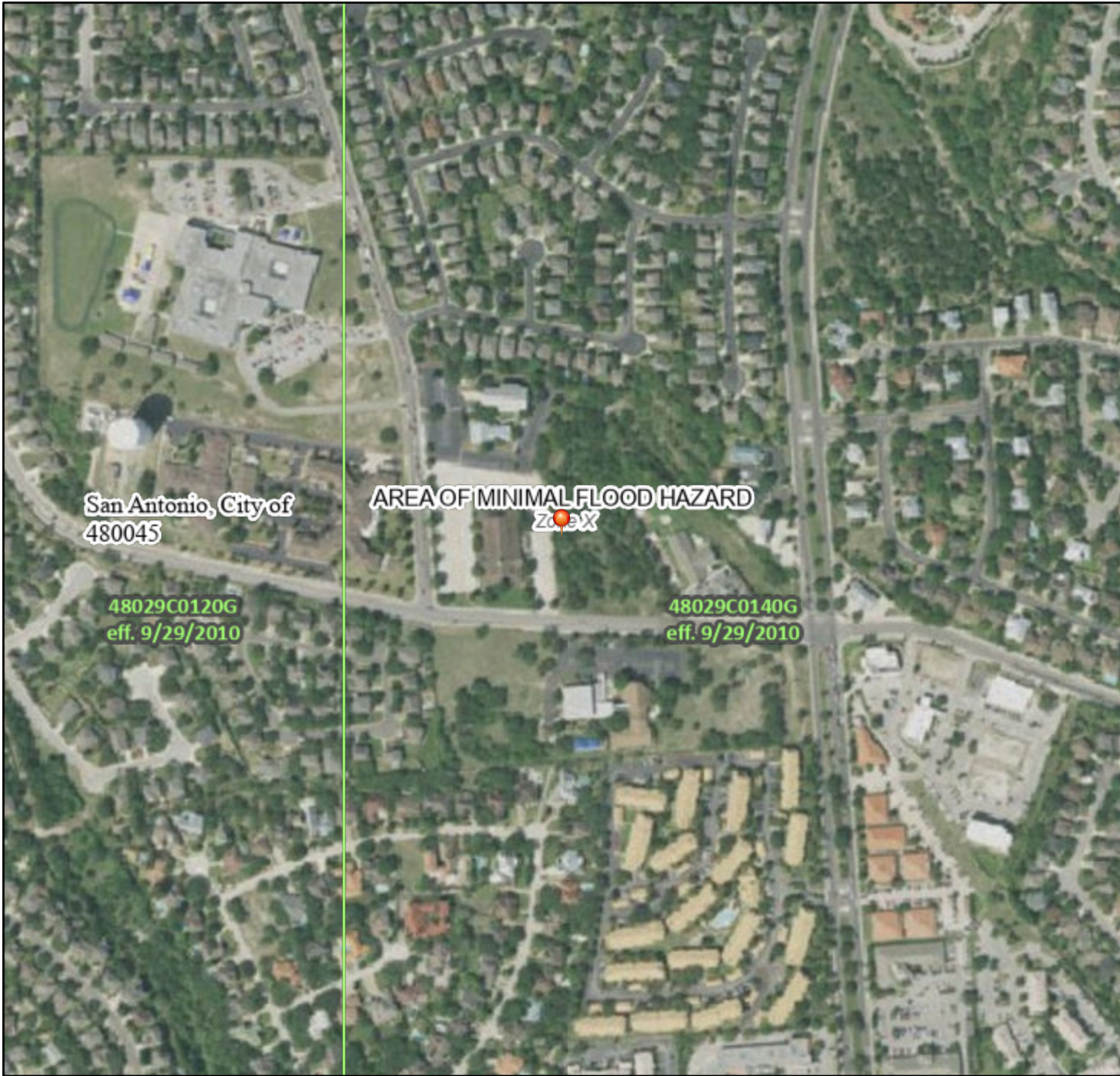


- ### LEGEND
- | | |
|---|-------------------------|
|  | EXISTING CONTOURS |
|  | PROPOSED CONTOURS |
|  | BUILDING SETBACK LINE |
|  | UTILITY EASEMENT |
|  | DRAINAGE EASEMENT |
|  | DRAINAGE AREA |
|  | TIME OF CONCENTRATION |
|  | POINT OF CONCENTRATION |
|  | DRAINAGE FLOW DIRECTION |
|  | DRAINAGE AREA LABEL |

National Flood Hazard Layer FIRMMette



98°30'11"W 29°38'16"N



1:6,000

98°29'34"W 29°37'45"N

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 Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



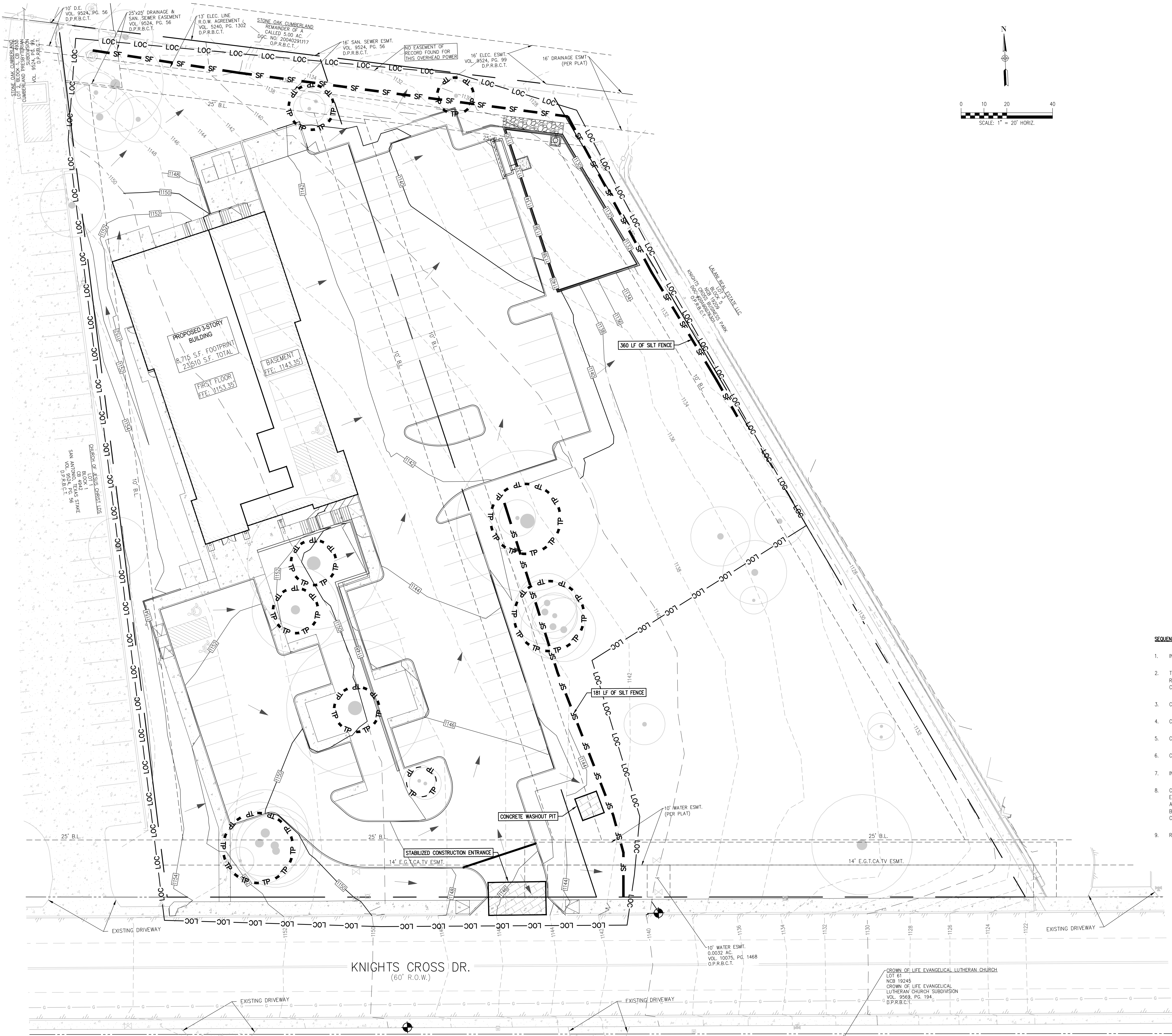
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



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 9/26/2024 at 11:12 AM 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.



EXISTING SITE LEGEND

- SITE PROPERTY LINE
- - - ADJOINING PROPERTY LINE
- - - EASEMENT
- - - EXISTING EDGE OF ASPHALT
- - - EXISTING CONCRETE

PROPOSED SITE LEGEND

- PROPOSED CONCRETE
- SIDEWALK RAMP
- ADA ACCESSIBLE PARKING SALL
- EXTERIOR COLUMN. SEE ARCH. PLANS FOR DETAILS

EROSION CONTROL LEGEND

- 600 --- EXISTING CONTOUR
- 600 --- PROPOSED CONTOUR
- SF --- SILT FENCE
- LOC --- LIMITS OF CONSTRUCTION
- TP --- TREE PROTECTION
- TP --- PROPOSED DIRECTION OF FLOW
- TP --- ROCK BERM

- SEQUENCE OF CONSTRUCTION**
1. INSTALL EROSION CONTROLS PER APPROVED PLAN.
 2. TEMPORARY CONTROLS TO BE INSPECTED AND MAINTAINED WEEKLY AND PRIOR TO ANTICIPATED RAINFALL EVENTS, AND AFTER RAINFALL EVENTS, AS NEEDED. CONTRACTOR/OWNER SHALL PROVIDE A CONTACT NAME AND NUMBER FOR EROSION CONTROL ISSUES.
 3. CONDUCT DEMOLITION ACTIVITIES, IF APPLICABLE.
 4. CONSTRUCT DRAINAGE IMPROVEMENTS, IF APPLICABLE.
 5. CONSTRUCT CURB INLET PROTECTION AT THE TIME OF CURB INLET INSTALLATION.
 6. CONSTRUCT DEVELOPMENT PER APPROVED PLANS.
 7. INSTALL STREETScape AND/OR LANDSCAPING IMPROVEMENTS.
 8. CONTRACTOR TO VEGETATE ANY DISTURBED AREAS ONCE FINAL GRADING IS COMPLETE, AND ESTABLISH A MIN. OF 70% VEGETATION PRIOR TO COMPLETION. PER TPDES REQUIREMENTS, DISTURBED AREAS ON WHICH CONSTRUCTION ACTIVITIES HAVE CEASED (TEMPORARILY OR PERMANENTLY) SHALL BE STABILIZED WITHIN 14 DAYS UNLESS ACTIVITY RESUMES WITHIN 21 DAYS. SEEDING DOES NOT CONSTITUTE AS STABILIZATION.
 9. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR WILL AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE INCURRED BY THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, STRUCTURES OR FACILITIES. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES 24-HOURS PRIOR TO COMMENCING CONSTRUCTION.

EROSION CONTROL PLAN

OMNI MEDICAL CENTER
601 KNIGHTS CROSS

11/12/2024

NO.	REVISION	DESCRIPTION	DATE

DATE: **OCTOBER 2024**

DRAWN BY: **MG**

DESIGNED BY: **MP**

REVIEWED BY: **EP**

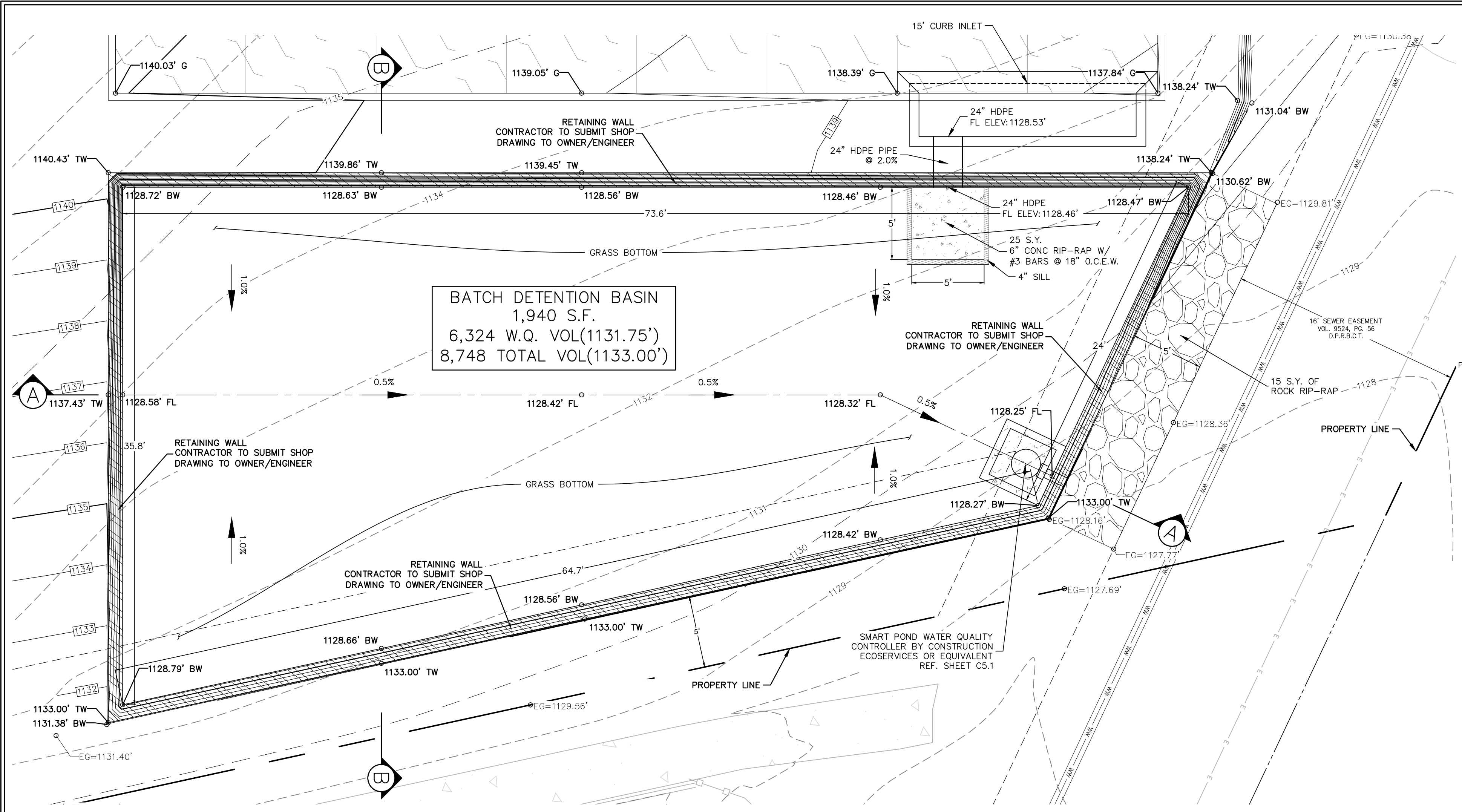
HMT PROJECT NO.: **102.017**

SHEET
C2.0

290 S. CASTELL AVE., STE. 100
NEW BRAUNFELS, TX 78130
TBPELS FIRM F-10961
TBPELS FIRM 10153600

HMT
ENGINEERING & SURVEYING

STATE OF TEXAS
ERIC S. PLY
123317
LICENSED PROFESSIONAL ENGINEER



NOTE:
BATCH DETENTION BASIN PER TCEQ RG-348 3.217
AND COMPLIES WITH REGULATIONS FOR WATER
QUALITY. DETENTION IS NOT PROVIDED IN THIS BASIN.

WATER QUALITY VOLUME
REQUIRED: 6,249 C.F.
PROVIDED: 6,347 C.F.

WATER QUALITY ELEVATION
1131.75'

POND STAGE STORAGE			
ELEVATION	STAGE(FT)	AREA(S.F.)	TOT. VOLUME(C.F.)
1,128.25	0	0	0
1,128.50	0.25	981.72	245
1,129.00	0.75	1,954.49	851
1,129.50	1.25	1,970.77	1,832
1,130.00	1.75	1,986.85	2,821
1,130.50	2.25	2,002.75	3,819
1,131.00	2.75	2,018.75	4,824
1,131.50	3.25	2,033.97	5,837
1,131.75	3.50	2,041.65	6,347

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY TSS REMOVAL CALCULATIONS

CALCULATIONS FROM RG-348

1. REQUIRED LOAD REDUCTION FROM THE TOTAL PROJECT:

PAGE 3-29 EQUATION 3.3: $L_w = 27.2 (A_u \times P)$

L_u = REQUIRED TSS REMOVAL

A_u = NET INCREASE IN IMPERVIOUS AREA FOR PROJECT

P = AVERAGE ANNUAL PRECIPITATION, INCHES

SITE DATA: DETERMINE REQUIRED LOAD REMOVAL BASED ON THE ENTIRE PROJECT

TOTAL PROJECT AREA INCLUDED IN PLAN = 2.46 ACRES

PREDEVELOPMENT IMPERVIOUS AREA WITHIN THE LIMITS OF THE PLAN = 0.00 ACRES

TOTAL POST-DEVELOPMENT IMPERVIOUS AREA WITHIN THE LIMITS OF THE PLAN = 0.00 ACRES

TOTAL POST-DEVELOPMENT IMPERVIOUS COVER FRACTION = 0.00

TOTAL L_w REQUIRED FOR THIS PLAN = 849 lbs

2. DRAINAGE BASIN PARAMETERS (PROVIDED FOR EACH BASIN)

DRAINAGE BASIN / OUTFALL AREA NO. = 2

TOTAL DRAINAGE BASIN / OUTFALL AREA = 1.26 ACRES

PREDEVELOPMENT IMPERVIOUS AREA WITHIN DRAINAGE BASIN / OUTFALL AREA = 0.00 ACRES

POST-DEVELOPMENT IMPERVIOUS AREA WITHIN DRAINAGE BASIN / OUTFALL AREA = 0.00 ACRES

POST-DEVELOPMENT IMPERVIOUS FRACTION WITHIN DRAINAGE BASIN / OUTFALL AREA = 0.00

L_w = 849 lbs

3. INDICATE THE PROPOSED BMP CODE FOR THIS BASIN

PROPOSED BMP = BATCH DETENTION BASIN

REMOVAL EFFICIENCY = 91 PERCENT

4. CALCULATE MAXIMUM TSS LOAD REMOVED (L_w) FOR THIS DRAINAGE BASIN BY THE SELECTED BMP TYPE:

RG 348 PAGE 3-33 EQUATION 3.7: $L_r = (BMP \text{ EFFICIENCY}) \times P \times (A_u \times 34.6 + A_p \times 0.54)$

A_u = TOTAL ON-SITE DRAINAGE AREA IN THE BMP CATCHMENT AREA

A_i = IMPERVIOUS AREA PROPOSED IN THE BMP CATCHMENT

A_p = PERVIOUS AREA REMAINING IN THE BMP CATCHMENT

L_r = TSS LOAD REMOVED BY THE PROPOSED BMP

BATCH DETENTION

A_u = 1.26 ACRES

A_i = 1.04 ACRES

A_p = 0.22 ACRES

L_r = 986 lbs

5. CALCULATE FRACTION OF ANNUAL RUNOFF TO TREAT THE DRAINAGE BASIN / OUTFALL AREA

BATCH DETENTION

DESIRED L_w THIS BASIN = 849 lbs

F = 0.86

6. CALCULATE CAPTURE VOLUME REQUIRED BY THE BMP TYPE FOR THIS DRAINAGE BASIN / OUTFALL AREA

BATCH DETENTION

RAINFALL DEPTH = 1.38 INCHES

POST-DEVELOPMENT RUNOFF COEFFICIENT = 0.83

ON-SITE WATER QUALITY VOLUME = 5207 CUBIC FEET

OFF-SITE AREA DRAINING TO BMP = 0 ACRES

OFF-SITE IMPERVIOUS COVER DRAINING TO BMP = 0 ACRES

IMPERVIOUS FRACTION OF OFF-SITE AREA = 0

OFF-SITE RUNOFF COEFFICIENT = 0

OFF-SITE WATER QUALITY VOLUME = 0 CUBIC FEET

STORAGE FOR SEDIMENT = 1041

TOTAL CAPTURE VOLUME = 6249 CUBIC FEET

22. BATCH DETENTION BASIN

REQUIRED WATER QUALITY VOLUME FOR BATCH DETENTION BASIN = 6249 CUBIC FEET

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

WATER POLLUTION ABATEMENT PLAN

GENERAL CONSTRUCTION NOTES

- A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY REGULATED ACTIVITIES. THIS NOTICE MUST INCLUDE:
 - THE NAME OF THE APPROVED PROJECT;
 - THE ACTIVITY START DATE; AND
 - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
- ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN (WPAP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.
- IF ANY SENSITIVE FEATURE(S) (CAVES, SOLUTION CAVITY, SNK HOLE, ETC.) IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES ENCOUNTERED DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES MAY NOT BE RESUMED UNTIL THE TCEQ HAS REVIEWED AND APPROVED THE APPROPRIATE PROTECTIVE MEASURES IN ORDER TO PROTECT ANY SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.
- NO TEMPORARY OR PERMANENT HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
- PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.
- SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS NOT LATER THAN WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.
- LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
- ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE MUST BE STORED ON-SITE WITH PROPER E&S CONTROLS. FOR STORAGE OR DISPOSAL OF SPOILS AT ANOTHER SITE ON THE EDWARDS AQUIFER RECHARGE ZONE, THE OWNER OF THE SITE MUST RECEIVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GRADING PRIOR TO THE PLACEMENT OF SPOILS AT THE OTHER SITE.
- IF PORTIONS OF THE SITE WILL HAVE A TEMPORARY OR PERMANENT CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14TH / DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21ST / DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14TH / DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.
- THE FOLLOWING RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST:
 - THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND
 - THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
- THE HOLDER OF ANY APPROVED EDWARDS AQUIFER PROTECTION PLAN MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
 - A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY WATER POLLUTION ABATEMENT STRUCTURE(S), INCLUDING BUT NOT LIMITED TO PONDS, DAMS, BERMS, SEWAGE TREATMENT PLANTS, AND DIVERSIONARY STRUCTURES;
 - B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED WHICH WOULD SIGNIFICANTLY IMPACT THE ABILITY OF THE PLAN TO PREVENT POLLUTION OF THE EDWARDS AQUIFER;
 - C. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN

AUSTIN REGIONAL OFFICE
12100 PARK 35 CIRCLE, BUILDING A
AUSTIN, TEXAS 78753-1808
PHONE: (512) 339-2929
FAX (512) 339-3795

SAN ANTONIO REGIONAL OFFICE
14250 JUDSON ROAD
SAN ANTONIO, TEXAS 78233-4480
PHONE: (210) 490-3096
FAX (210) 545-4329

MAINTENANCE NOTES:

BATCH DETENTION BASINS MAY HAVE SOMEWHAT HIGHER MAINTENANCE REQUIREMENTS THAN AN EXTENDED DETENTION BASIN SINCE THEY ARE ACTIVE STORMWATER CONTROLS. THE MAINTENANCE ACTIVITIES ARE IDENTICAL TO THOSE OF EXTENDED DETENTION BASINS WITH THE ADDITION OF MAINTENANCE AND INSPECTIONS OF THE AUTOMATIC CONTROLLER AND THE VALVE AT THE OUTLET.

INSPECTIONS: INSPECTIONS SHOULD TAKE PLACE A MINIMUM OF TWICE A YEAR. ONE INSPECTION SHOULD TAKE PLACE DURING WET WEATHER TO DETERMINE IF THE BASIN IS MEETING THE TARGET DETENTION TIME OF 12 HOURS AND A DRAWDOWN TIME OF NO MORE THAN 48 HOURS. THE REMAINING INSPECTIONS SHOULD OCCUR DURING STORM EVENTS SO THAT MANUAL OPERATION OF THE VALVE AND CONTROLLER CAN BE VERIFIED. THE LEVEL SENSOR IN THE BASIN SHOULD BE INSPECTED AND ANY DEBRIS OR SEDIMENT IN THE AREA SHOULD BE REMOVED. THE OUTLET STRUCTURE AND THE TRASH SCREEN SHOULD BE INSPECTED FOR SIGNS OF CLOGGING. DEBRIS AND SEDIMENT SHOULD BE REMOVED FROM THE ORIFICE AND OUTLET(S) AS DESCRIBED IN PREVIOUS SECTIONS. DEBRIS OBSTRUCTING THE VALVE SHOULD BE REMOVED DURING EACH INSPECTION. EROSION AREAS INSIDE AND DOWNSTREAM OF THIS BMP SHOULD BE IDENTIFIED AND REPAIRED/REVEGETATED IMMEDIATELY.

MOWING THE BASIN: BASIN SIDE SLOPES, AND EMBANKMENT OF THE BASIN MUST BE MOWED TO PREVENT WOODY GROWTH AND CONTROL WEEDS. A MULCHING MOWER SHOULD BE USED, OR THE GRASS CLIPPINGS SHOULD BE MAINTAINED AND REMOVED, MOWING SHOULD TAKE PLACE AT LEAST TWICE A YEAR, OR MORE FREQUENTLY IF VEGETATION EXCEEDS 18 INCHES IN HEIGHT. MORE FREQUENT MOWING TO MAINTAIN AESTHETIC APPEAL MAY BE NECESSARY IN LANDSCAPED AREAS.

LITTER AND DEBRIS REMOVAL: LITTER AND DEBRIS REMOVAL SHOULD TAKE PLACE AT LEAST TWICE A YEAR. AS PART OF THE PERIODIC MOWING OPERATIONS AND INSPECTIONS, DEBRIS AND LITTER SHOULD BE REMOVED FROM THE SURFACE OF THE BASIN. PARTICULAR ATTENTION SHOULD BE PAID TO FLOATABLE DEBRIS AROUND THE OUTLET STRUCTURE. THE OUTLET SHOULD BE CHECKED FOR POSSIBLE CLOGGING OR OBSTRUCTIONS AND ANY DEBRIS REMOVED.

EROSION CONTROL: THE BASIN SIDE SLOPES AND EMBANKMENT ALL MAY PERIODICALLY SUFFER FROM SLUMPING AND EROSION, TO CORRECT THESE PROBLEMS, CORRECTIVE ACTION, SUCH AS REGRADING AND REVEGETATION, MAY BE NECESSARY. CORRECTION OF EROSION CONTROL SHOULD TAKE PLACE WHENEVER REQUIRED BASED ON THE PERIODIC INSPECTIONS.

NUISANCE CONTROL: STANDING WATER OR SOGGY CONDITIONS MAY OCCUR IN THE BASIN. SOME STANDING WATER MAY OCCUR AFTER A STORM EVENT SINCE THE VALVE MAY CLOSE WITH 2 TO 3 INCHES OF WATER IN THE BASIN. SOME FLOW INTO THE BASIN MAY ALSO OCCUR DURING STORMS DUE TO SPRING FLOW AND RESIDENTIAL WATER USE THAT ENTERS THE STORM SEWER SYSTEM. TWICE A YEAR, THE FACILITY SHOULD BE EVALUATED IN TERMS OF NUISANCE CONTROL (INSECTS, WEEDS, ODORS, ALGAE, ETC.).

STRUCTURAL REPAIRS AND REPLACEMENT: WITH EACH INSPECTION, ANY DAMAGE TO STRUCTURAL ELEMENTS OF THE BASIN (PIPES, CONCRETE DRAINAGE STRUCTURES, RETAINING WALLS, ETC.) SHOULD BE IDENTIFIED AND REPAIRED IMMEDIATELY. AN EXAMPLE OF THIS TYPE OF REPAIR CAN INCLUDE PATCHING OF CRACKED CONCRETE, SEALING OF VOIDS, REMOVAL OF VEGETATION FROM CRACKS AND JOINTS. THE VARIOUS INLET/OUTLET STRUCTURES IN A BASIN WILL EVENTUALLY DETERIORATE AND MUST BE REPLACED.

SEDIMENT REMOVAL: A PROPERLY DESIGNED BATCH DETENTION BASIN WILL ACCUMULATE QUANTITIES OF SEDIMENT OVER TIME. THE ACCUMULATED SEDIMENT CAN DETRIMENT THE APPEARANCE OF THE FACILITY AND REDUCE THE POLLUTANT REMOVAL PERFORMANCE OF THE FACILITY. THE SEDIMENT ALSO TENDS TO ACCUMULATE NEAR THE OUTLET STRUCTURE AND CAN INTERFERE WITH THE LEVEL SENSOR OPERATION. SEDIMENT SHALL BE REMOVED FROM THE BASIN AT LEAST EVERY 5 YEARS, WHEN SEDIMENT DEPTH EXCEEDS 6 INCHES, WHEN THE SEDIMENT INTERFERES WITH THE LEVEL SENSOR OR WHEN THE BASIN DOES NOT DRAIN WITHIN 48 HOURS. CARE SHOULD BE TAKEN NOT TO COMPROMISE THE BASIN LINING DURING MAINTENANCE.

LOGIC CONTROLLER: THE LOGIC CONTROLLER SHOULD BE INSPECTED AS PART OF THE TWICE YEARLY INVESTIGATIONS. VERIFY THAT THE EXTERNAL INDICATORS (ACTIVE, CYCLE IN PROGRESS) ARE OPERATING PROPERLY BY TURNING THE CONTROLLER OFF AND ON, AND BY INITIATING A CYCLE BY TRIGGERING THE LEVEL SENSOR IN THE BASIN. THE VALVE SHOULD BE MANUALLY OPENED AND CLOSED USING THE OPEN/CLOSE SWITCH TO VERIFY VALVE OPERATION AND TO ASSIST IN INSPECTING THE VALVE FOR DEBRIS. THE SOLAR PANEL SHOULD BE INSPECTED AND ANY DUST OR DEBRIS ON THE PANEL SHOULD BE CAREFULLY REMOVED. THE CONTROLLER AND ALL OTHER CIRCUITRY AND WIRING SHOULD BE INSPECTED FOR SIGNS OF CORROSION, DAMAGE FROM INSECTS, WATER LEAKS, OR OTHER DAMAGE. AT THE END OF THE INSPECTION, THE CONTROLLER SHOULD BE RESET.

GENERAL NOTES:

- THE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST MEET ALL APPLICABLE CRITERIA OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY SET FORTH IN 30 TEXAS ADMINISTRATIVE CODE (TAC) 213.5(6) - WATER POLLUTION ABATEMENT PLAN FOR REGULATED ACTIVITIES UNDERTAKEN ON THE RECHARGE ZONE OF THE EDWARDS AQUIFER.
- TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE REQUIRED DURING CONSTRUCTION. THE CONTROLS MUST REMAIN IN PLACE UNTIL DISTURBED AREAS ARE REVEGETATED AND THE AREAS HAVE BECOME PERMANENTLY STABILIZED. THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS MUST BE INSPECTED PERIODICALLY FOR DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES AND FOLLOWING EVERY RAINFALL. DAMAGED OR OBSTRUCTED CONTROLS MUST BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN PROPER OPERATION.
- IF ANY SENSITIVE FEATURE IS DISCOVERED DURING CONSTRUCTION, REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE OWNER MUST IMMEDIATELY NOTIFY THE APPROPRIATE REGIONAL OFFICE OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY OF THE SENSITIVE FEATURE DISCOVERED. THE REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MAY NOT PROCEED UNTIL THE EXECUTIVE DIRECTOR HAS REVIEWED AND APPROVED THE METHODS PROPOSED TO PROTECT THE SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM ANY POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY WHILE MAINTAINING THE STRUCTURAL INTEGRITY OF THE LINE.
- ANY MODIFICATION TO THE APPROVED WATER POLLUTION ABATEMENT PLAN MUST BE SUBMITTED TO THE APPROPRIATE REGIONAL OFFICE FOR APPROVAL BY THE EXECUTIVE DIRECTOR OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY BEFORE CONSTRUCTION OF THE PROPOSED MODIFICATION MAY COMMENCE.
- ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST BE PROVIDED WITH COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.

SAFETY PRECAUTIONS - A SIGN SHALL BE POSTED IN A CLEAR VISIBLE PLACE ON THE FENCE NEAR THE ENTRY WITH THE FOLLOWING INFORMATION:

TCEQ REGIONAL OFFICE - 210-490-3096

POND OUTFALL DETAIL

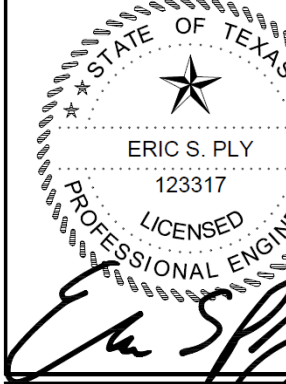
N.T.S.

CLAY LINER SPECIFICATIONS

PROPERTY	TEST METHOD	SPECIFICATION
CLAY COMPACTION (%)	ASTM D 2434	
PLASTICITY INDEX OF CLAY (%)	ASTM D 423/D 424	NOT LESS THAN 15
PERMEABILITY (CM/SEC)	ASTM D 2216	NOT LESS THAN 30
CLAY PARTICLES PASSING (%)	ASTM D 422	NOT LESS THAN 30
LIQUID LIMIT OF CLAY (%)	ASTM D 2216	95% OF STANDARD PROCTOR DENSITY

NOTES:
1. THE CLAY LINER SHALL HAVE A MINIMUM THICKNESS OF TWELVE (12) INCHES.

290 S. CASTELL AVE., STE. 100
NEW BRAUNFELS, TX 78130
TBPELS FIRM F-10961
TBPELS FIRM 10153600



11/12/2024

POND PLAN

OMNI MEDICAL CENTER
601 KNIGHTS CROSS

REVISION	DATE	DESCRIPTION
NO.		

DATE: OCTOBER 2024

DRAWN BY: MG

DESIGNED BY: MP

REVIEWED BY: EP

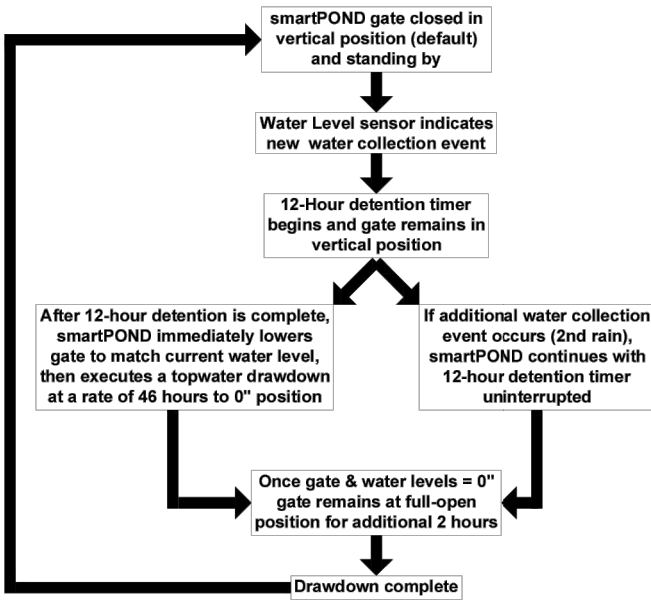
HMT PROJECT NO.:

102.017

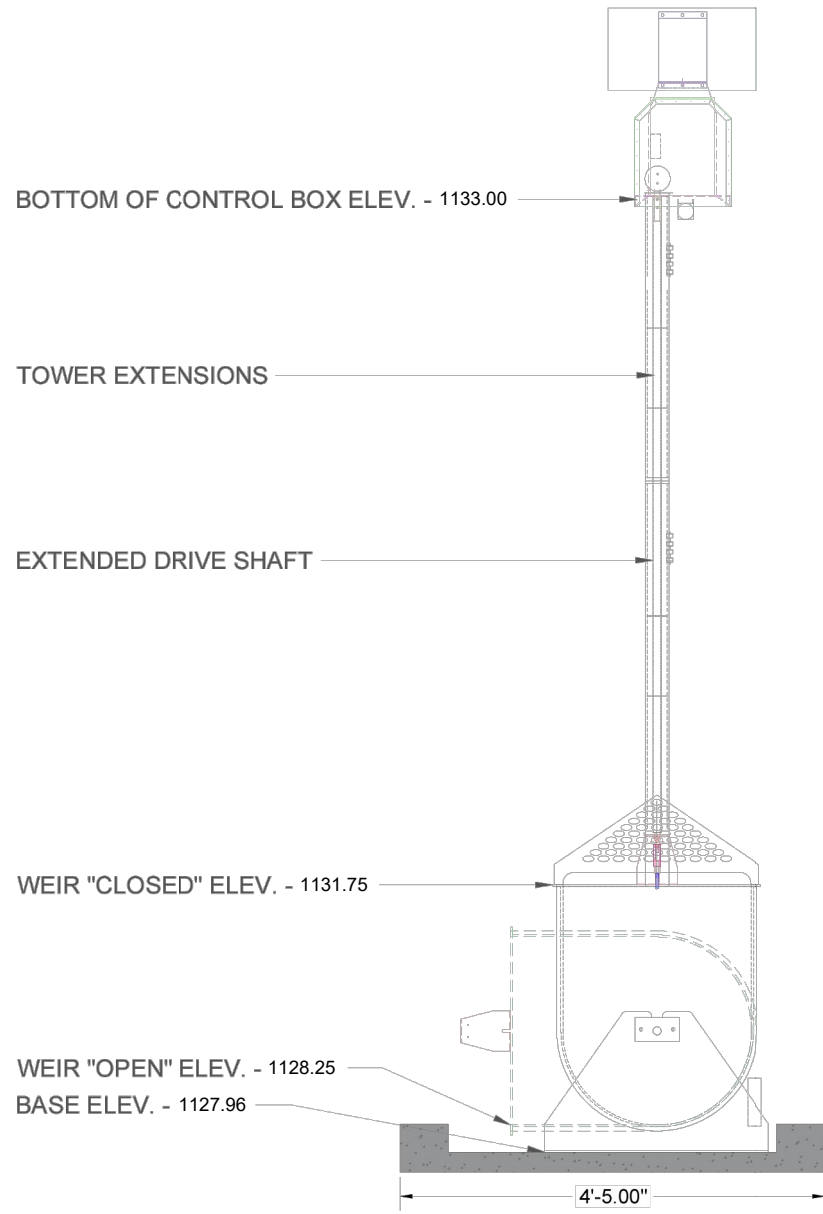
SHEET

C5.0

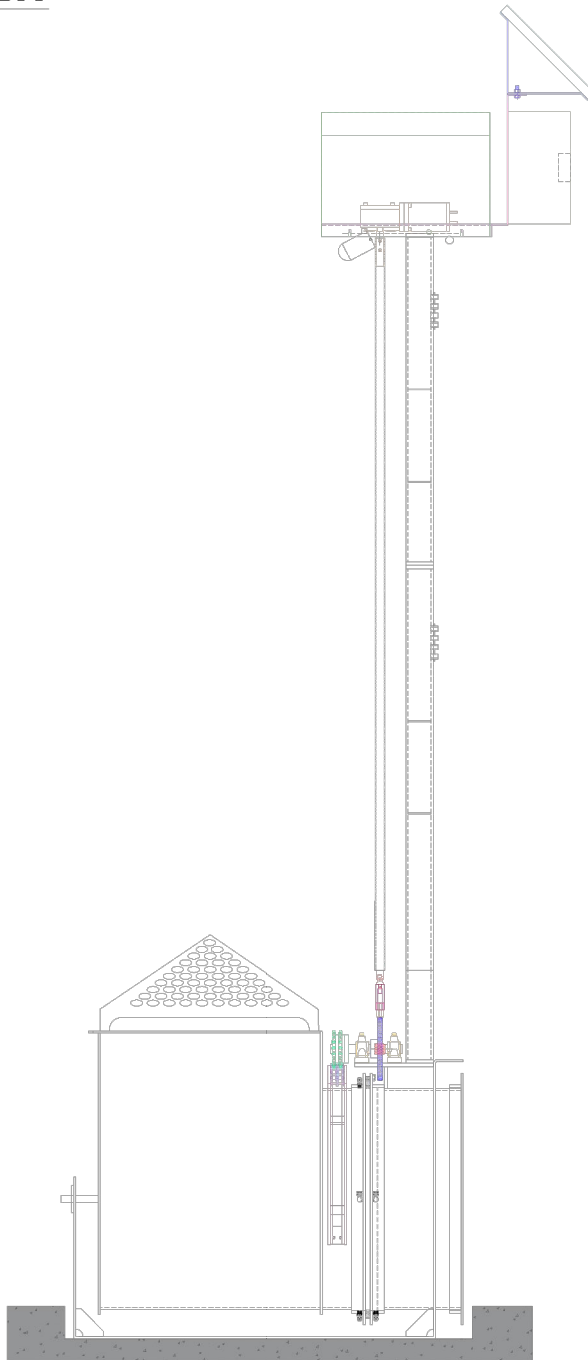
PROGRAMMABLE LOGIC FLOW CHART



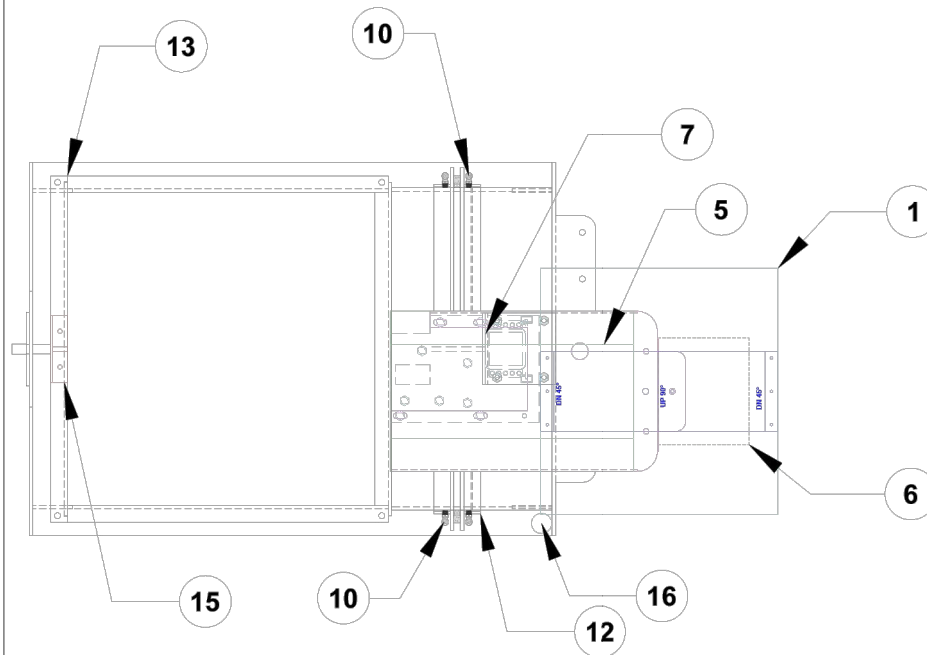
FRONT VIEW



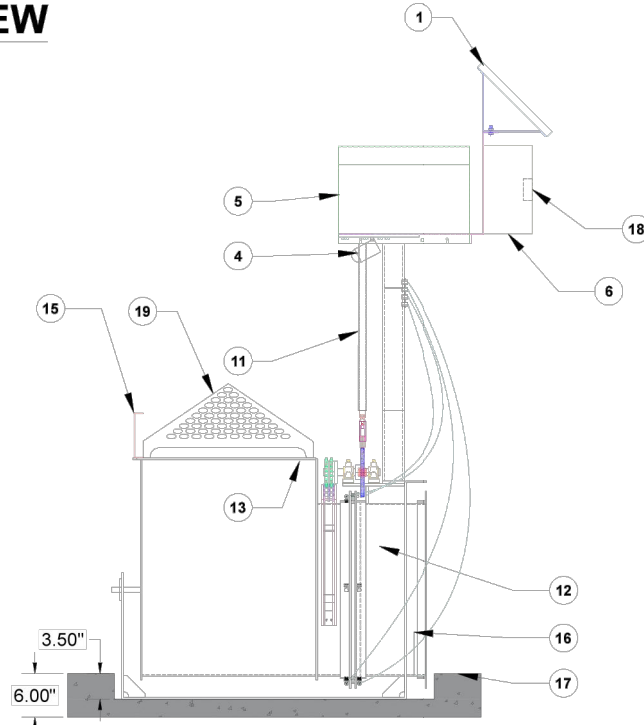
SIDE VIEW



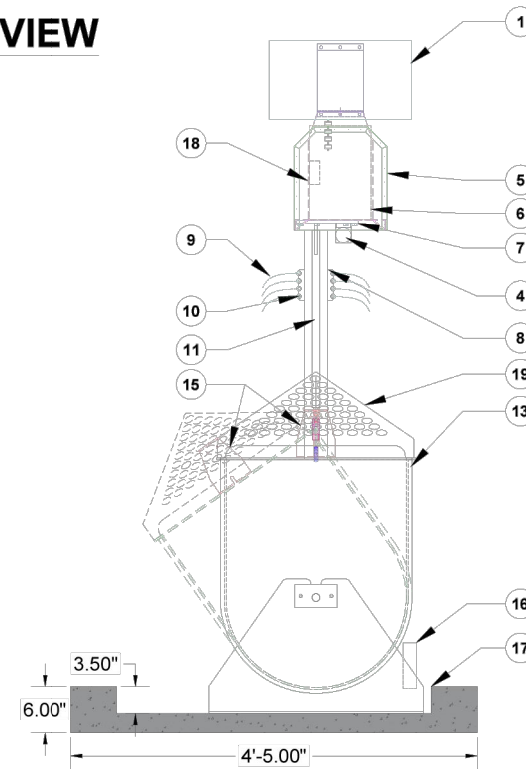
TOP VIEW



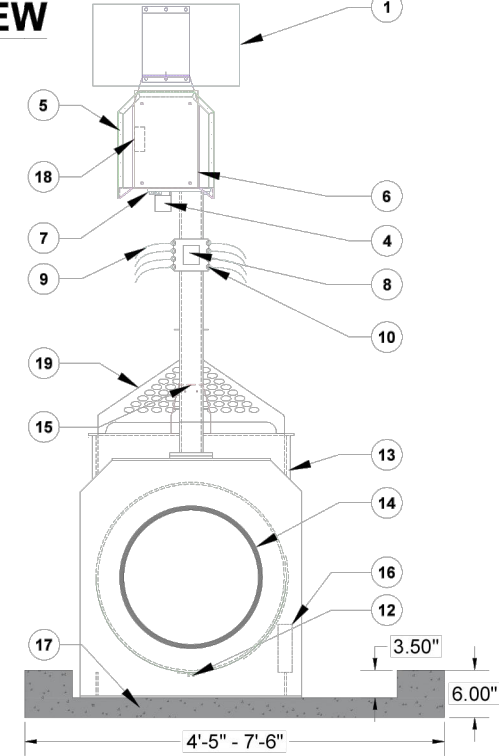
SIDE VIEW



FRONT VIEW



BACK VIEW



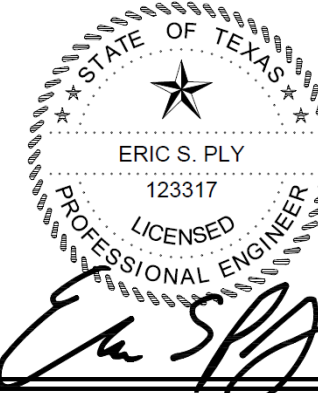
Parts List	
Item	smartPOND Components
1	12 V SOLAR PANEL WITH 30 WATT CHARGING CAPACITY
2	ANTENNA (NOT DISPLAYED)
3	CELL DATA MODEM (NOT DISPLAYED)
4	CAMERA
5	LOCKABLE WEATHERPROOF ELECTRONIC BOX
6	CONTROL BOX W/ LOCKING LATCHES
7	PEDESTAL
8	REMOTE GREASE MANIFOLD
9	GREASE TUBES
10	GREASE FITTINGS
11	EXTENDED DRIVE SHAFT
12	24" Rotary Valve
13	24" Drum (30" - 70" TALL)
14	Outlet Pipe (Size TBD By Engineer, Max 24")
15	Inclinometer
16	Level Transducer
17	6" Concrete Pad (By Others, Size Varies)
18	ON/OFF SWITCH
19	TRASH RACK

NOTES:
FOR ABOVE GROUND APPLICATIONS, THE ENTIRE SYSTEM INCLUDING ALL NECESSARY COMPONENTS FOR OPERATION ASSEMBLE INTO ONE KIT AND ARE HOUSED UNDER A SINGLE LOCKABLE STEEL ENCLOSURE WITH THE SOLAR PANEL MOUNTED ON TOP. IN THIS CONFIGURATION, THE UNIT CAN BE INSTALLED ON A STABLE, LEVEL PAD AND BE BOLTED ONTO THE BACK OF THE OUTFALL PIPE WITH SIX 3/4" BOLTS AND THEN SWITCHED TO THE "ON" POSITION.

FOR UNDERGROUND APPLICATIONS, THE VALVE IS INSTALLED IN A VAULT OR CONCRETE ENCASEMENT AS NEEDED. AN EXTENDED DRIVE SHAFT CONNECTS BETWEEN THE UNDERGROUND VALVE AND THE REST OF THE COMPONENTS, INCLUDING THE MOTOR AND ALL ELECTRONICS, WHICH ARE HOUSED IN THE LOCKABLE STEEL ENCLOSURE DIRECTLY ABOVE GROUND.

STORM DETAILS

OMNI MEDICAL CENTER
601 KNIGHTS CROSS



11/12/2024

NO.	REVISION	DESCRIPTION	DATE

DATE: OCTOBER 2024

DRAWN BY: MG

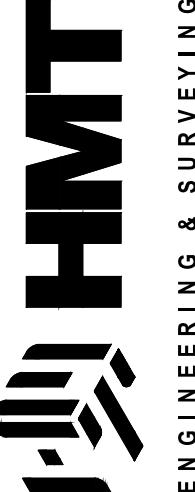
DESIGNED BY: MP

REVIEWED BY: EP

HMT PROJECT NO.:
102.017

SHEET
C5.1

290 S. CASTELL AVE., STE. 100
NEW BRAUNFELS, TX 78130
TBPELS FIRM F-10961
TBPELS FIRM 10153600



Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: **Omni Medical Center**

Date Prepared: **10/22/2024**

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the text shown in blue to indicate location of instructions in the Technical Guidance Manual - RG-348.

Characters shown in red are data entry fields.

Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the calculations.

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

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

where:

$L_{M \text{ TOTAL PROJECT}}$ = Required TSS removal resulting from the proposed development = 80%

A_N = Net increase in impervious area for the project

P = Average annual precipitation, inches

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

County = **Bexar**

Total project area included in plan * = **2.46** acres

Predevelopment impervious area within the limits of the plan * = **0.00** acres

Total post-development impervious area within the limits of the plan * = **1.04** acres

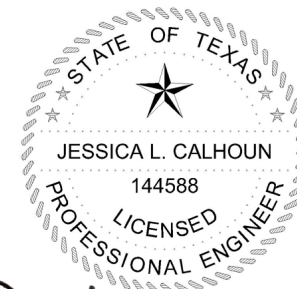
Total post-development impervious cover fraction * = **0.42**

P = **30** inches

$L_{M \text{ TOTAL PROJECT}}$ = **849** lbs.

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

Number of drainage basins / outfalls areas leaving the plan area = **4**



Jessica Calhoun
11/12/2024

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

Drainage Basin/Outfall Area No. = 2

Total drainage basin/outfall area = 1.26 acres

Predevelopment impervious area within drainage basin/outfall area = 0.00 acres

Post-development impervious area within drainage basin/outfall area = 1.04 acres

Post-development impervious fraction within drainage basin/outfall area = 0.83

L_M THIS BASIN = 849 lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Batch Detention Basin
Removal efficiency = 91 percent

Aqualogic Cartridge Filter
Bioretention
Batch Detention Basin
BaySeparator
Contech StormFilter
Constructed Wetland
Extended Detention
Grassy Swale
Retention / Irrigation
Sand Filter
Stormceptor
Vegetated Filter Strips
Vortechs
Wet Basin
Wet Vault

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

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

where:

A_C = Total On-Site drainage area in the BMP catchment area

A_I = Impervious area proposed in the BMP catchment area

A_P = Pervious area remaining in the BMP catchment area

L_R = TSS Load removed from this catchment area by the proposed BMP

A_C = 1.26 acres

$A_I = 1.04$ acres
 $A_P = 0.22$ acres
 $L_R = 986$ lbs

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

Desired $L_{M \text{ THIS BASIN}} = 849$ lbs.

$F = 0.86$

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area: [Calculations from RG-348](#)

Rainfall Depth = 1.38 inches
Post Development Runoff Coefficient = 0.83
On-site Water Quality Volume = 5207 cubic feet

[Calculations from RG-3 Pages 3-36 to 3-37](#)

Off-site area draining to BMP = 0.00 acres
Off-site Impervious cover draining to BMP = 0.00 acres
Impervious fraction of off-site area = 0
Off-site Runoff Coefficient = 0.00
Off-site Water Quality Volume = 0 cubic feet

Storage for Sediment = 1041

Total Capture Volume (required water quality volume(s) x 1.20) = 6249 cubic feet

The following sections are used to calculate the required water quality volume(s) for the selected BMP.
The values for BMP Types not selected in cell C45 will show NA.

7. Retention/Irrigation System

[Designed as Required in RG-348 Pages 3-42 to 3-46](#)

Required Water Quality Volume for retention basin = NA cubic feet

TSS Load Credit = #VALUE! lbs

Is Sufficient Treatment Available? (TSS Credit \geq TSS Uncapt.) #VALUE!

TSS Treatment by BMP (LM + TSS Uncapt.) = #VALUE!

21. Vortech

Designed as Required in RG-348 Pg. 19, Addendum

BMP Sizing

Required TSS Removal in BMP Drainage Area= **NA** lbs

Impervious Cover Overtreatment= **0.0000** ac

TSS Removal for Uncaptured Area = 0.00 lbs

Effective Area = NA EA

Calculated Model Size(s) = #N/A

Actual Model Size (if choosing larger model size) = **0** Pick Model Size

Surface Area = #N/A ft²

Overflow Rate = #VALUE! V_{or}

Rounded Overflow Rate = #VALUE! V_{or}

BMP Efficiency % = #VALUE! %

L_R Value = #VALUE! lbs

TSS Load Credit = #VALUE! lbs

Is Sufficient Treatment Available? (TSS Credit \geq TSS Uncapt.) #VALUE!

TSS Treatment by BMP (LM + TSS Uncapt.) = #VALUE!

22. Batch Detention Basin

Designed as Required in RG-348 Pg. 28, Addendum

Required Water Quality Volume for batch detention basin = **6249** cubic feet

23. BaySeparator

Designed as Required in RG-348 Pg. 35, Addendum

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.

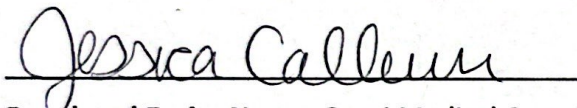
Signature

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: Jessica Calhoun, P.E.

Date: 10/22/2024

Signature of Customer/Agent:



Regulated Entity Name: Omni Medical Center

Project Information

Potential Sources of Contamination

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

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

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

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

- ☐ 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: Panther Springs Creek

Temporary Best Management Practices (TBMPs)

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

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

- ☒ A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.
 - ☒ A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
 - ☒ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
 - ☒ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.
8. ☒ The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.
- ☐ **Attachment E - Request to Temporarily Seal a Feature.** A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
- ☒ There will be no temporary sealing of naturally-occurring sensitive features on the site.
9. ☒ **Attachment F - Structural Practices.** A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.
10. ☒ **Attachment G - Drainage Area Map.** A drainage area map supporting the following requirements is attached:
- ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
 - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
 - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
 - ☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

- ☒ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.
11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations.** Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.
- ☒ N/A
12. ☒ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
13. ☒ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
14. ☒ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).
15. ☒ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.
16. ☒ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

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

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

18. ☒ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
19. ☒ Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

20. ☒ All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.
21. ☒ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.
22. ☒ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

TEMPORARY STORMWATER SECTION
ATTACHMENT A
Spill Response Actions

Contractor to notify all appropriate authorities if more than 25 gallons of hydrocarbons are spilled. The construction plans include the required notes regarding appropriate spill response actions as directed by TCEQ. There will be no temporary storage vessels of fuel or hydrocarbons to be stored on site.

If spills of any hydrocarbons occur, construction must contain spills by immediate action. Earthen materials must be kept readily available to provide a Dike. Sand should be used to help soak fuels. Property disposal of any materials used will be required.

Contractor must promote job site awareness to all employees involved. All employees must be made aware of the provisions in this report.

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 runoff during rainfall to the extent that it doesn't compromise cleanup activities.
- (7) Do not bury or wash spills with water.
- (8) Store and dispose of used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.
- (9) Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.
- (10) Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.
- (11) Place Material Safety Data Sheets (MSDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.
- (12) Keep waste storage areas clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function

Clean up

- (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 BMP's 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:
 - (a) Contain the spread of the spill.
 - (b) Recover spilled materials.
 - (c) 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 the 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 (25 gallons):

- (1) Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact

the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.

- (2) For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110, 119 and 302, the contractor should notify the National Response Center at (800) 424-8802.
- (3) Notification should first be made by telephone and followed up with a written report.
- (4) The services of a spills contractor or a Haz-Mat team should be obtained 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 of Police Department, County Sheriff Office, Fire Departments, etc.

More information on spill rules and appropriate responses is available on the TCEQ website at: <https://www.tceq.texas.gov/response/spills>

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 runoff 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 not 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 runoff 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.

TEMPORARY STORMWATER SECTION
ATTACHMENT B
Potential Sources of Contamination

This project includes the construction of 8,715 square feet (0.20 acres) of structures, 31,429 square feet (0.72 acres) of parking and driveway, and the remaining 5,227 square feet (0.12 acres) is other paved surfaces. The possible sources of contamination include sediment transport from runoff and fuel spills by the Contractor while refueling equipment. Other small quantities of solvent for construction may be present. Contractor shall keep all fuel transfers and any other contaminants used secure. Silt Fences and rock berms will aid in the removal of transported sediment from the runoff.

Please see Attachment "A" for response actions.

TEMPORARY STORMWATER SECTION
ATTACHMENT C
Sequence of Major Activities

Construction sequencing- The construction will be performed in two phases.

1. Call City Public Service (CPS) and TCEQ 48-hours prior to beginning any work.
Call Dig TESS for utilities locations.
2. Install temporary erosion controls prior to any clearing and grubbing.
3. Inspect erosion controls at weekly intervals, before and after significant rainfall events to insure they are functioning properly.
4. Begin site clearing. (2.46 acres)
5. Construct drainage improvements.
6. Road cuts to subgrade elevation. (2.46 acres)
7. Complete fill and compaction on site to match subgrade elevations. (2.46 acres)
8. Complete all construction per approved plans and stabilize all disturbed areas.
9. Install Streetscape and/or landscaping improvements.
10. Contact project engineer to inspect site. Final City inspection to be scheduled.
11. Complete any necessary final dress up of areas that were disturbed.
12. Remove and dispose of temporary erosion controls after site re-vegetation has occurred.

The no areas greater than 10 acres that will be disturbed at one time.

TEMPORARY STORMWATER SECTION
ATTACHMENT D
Temporary Best Management Practices and Measures

Temporary erosion controls are proposed for this project to include silt fence, rock berms, tree protection, concrete wash out area, and a stabilized construction entrances and exits. Please see Exhibit D Omni Medical Center Erosion Control Plan for all temporary erosion control details.

Temporary sediment basins are not required because there are no drainage areas greater than 10 acres disturbed on site.

Approximately 541 linear feet of silt fence will be used. This will be placed down gradient of all proposed construction.

A stabilized construction entrance at the beginning of the project will be required

Rock berms will be established at the existing low points at the beginning of the project will be required.

Tree protection will be used around seven existing trees on site.

From the TECQ RG 348 dated July 2005, silt fences provide protection. In addition, the contractor has been directed to minimize disturbance to a reasonable working space.

TEMPORARY STORMWATER SECTION
ATTACHMENT F
Structural Practices

During construction, silt fences will be used until construction is complete and vegetation and paving has been established. Additionally, the contractor will pile the spoils from excavation on the uphill side of the excavation, with a minimum of one foot between the excavation and the pile, in order to prevent storm water from entering the trenched area.

In addition, the contractor will be directed to minimize site disturbance and avoid having equipment in areas that are not necessary for the construction. Natural vegetation shall be left undisturbed and will help remove sediment if any bypass at silt fences or other structural measures occurs.

TEMPORARY STORMWATER SECTION
ATTACHMENT G
Drainage Area Map

The Existing Drainage Area Map and Proposed Drainage Area Map (with their corresponding flow calculations) can be found in Exhibit A Omni Medical Center Existing Drainage and Exhibit B Omni Medical Center Proposed Drainage, respectively.

TEMPORARY STORMWATER SECTION
ATTACHMENT I
Inspection and Maintenance of BMPs

The Contractor will be directed to inspect and maintain all temporary BMPs. The design engineer will also make regular visits to the project and will provide visual inspections as well. Any deficiency noted must be corrected immediately by the contractor.

Maintenance:

1. Inspect all silt fence, rock berms, tree protection, concrete wash out areas and stabilized concrete entrances and exits weekly and directly after any rainfalls greater than 1 inch.
2. Remove sediment when buildup reaches 6 inches on silt fence, rock berms or install a second line of silt fence parallel.
3. Replace any torn fabric in the silt fence.
4. Replace or repair any sections crushed or collapsed in the course of construction.
5. See stormwater pollution plan details as shown in the construction plans for proper size and installation.
6. Contractor to maintain a daily log and note any deficiencies to temporary BMPs and corrective action taken. Rainfall events shall also be noted.

BMP Inspection Report Attachment I

Operator: _____
 Job Name: _____
 Location: _____
 Inspector: _____
 Is this site over the Aquifer recharge or contributing zone _____

Date: _____
 Receiving Waters: _____
 Map Grid: _____
 Inspector Qualifications: _____
 If this site is in compliance with the SWPPP and Permit _____

Visual Inspection of the Site	Y	N	N/A	Comments
NOI Posted?				
Site Notice Posted?				
Was a copy of the NOI sent to the Reporting agency?				
SWPPP Plan in Box?				
Copy of WPAP in the box? (If applies)				
SWPPP Information updates				
Material list updated?				
Project Milestone current with intended dates?				
All current locations of BMP's Identified on plans?				
Areas under operators control clearly Identified on site map?				
Trash Containers and Restrooms noted?				
Stabilized areas updated or noted on plans?				
Site Conditions				
Entrance and exits free from off site tracking?				
Trash and Debris being contained on site?				
Material storage area effectively controlling pollutants?				
Wash out pit working order?				
Are all pollutants contained on site?				
Erosion Control devices in working order?				
Are all BMP's Adequate for this site at this times				
Hazardous Waste				
Is there materials being exposed to storm water runoff?				
Any signs of major leaks or spills?				
Any leaks or spills of reputable Quantity need to be reported?				

**BMP Inspection Report
Attachment I**

Job Name: _____ Date: _____

Location	What Failed and Amount	Reason	Modification to be made	Correction Date
_____	_____	_____	_____	_____
	_____	_____	_____	_____
		_____	_____	
Location	What Failed and Amount	Reason	Modification to be made	Correction Date
_____	_____	_____	_____	_____
	_____	_____	_____	_____
		_____	_____	
Location	What Failed and Amount	Reason	Modification to be made	Correction Date
_____	_____	_____	_____	_____
	_____	_____	_____	_____
		_____	_____	
Location	What Failed and Amount	Reason	Modification to be made	Correction Date
_____	_____	_____	_____	_____
	_____	_____	_____	_____
		_____	_____	
Location	What Failed and Amount	Reason	Modification to be made	Correction Date
_____	_____	_____	_____	_____
	_____	_____	_____	_____
		_____	_____	

I certify under the penalty of law that this document and all attachments were prepared under my direction or Supervision in accordance with a system designed to assure that qualified personnel properly gathered and Evaluated the information submitted. Based on my inquiry of the person or persons who manage the system? Or those persons directly responsible for gathering the information, the information submitted is, too the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for Submitting false information, including the possibility of fine and imprisonment for knowing violations.

Qualified BMP Inspector: _____

BMP Inspection Report Attachment I

Job Name: _____

Date: _____

Construction Activities and location

[illegible]

NOTES:

TEMPORARY STORMWATER SECTION
ATTACHMENT J
Schedule of Interim and Permanent Soil Stabilization Practices

Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Where the initiation of stabilization measures by the 14th day after construction activity temporary or permanently cease is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within 21 days, temporary stabilization measures do not have to be initiated on that portion of site.

If after 21 days, and construction activity will not resume, hydromulch shall be applied to all disturbed areas except in drainage channels or where slopes exceed 3:1. In areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonal arid conditions, stabilization measures shall be initiated as soon as practicable.

All erosion control measures must remain in place until such stabilization has successfully occurred.

Silt Fences shall be used as indicated. Owner shall consult with design engineer to determine all necessary measures to stabilize the site if construction does not resume.

TCEQ RG 348 dated July 2005 shall be used as a guide in determining these areas that may require stabilization.

Permanent Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(C), (D)(li), (E), and (5), Effective June 1, 1999

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

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

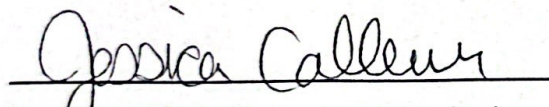
Signature

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

Print Name of Customer/Agent: Jessica Calhoun, P.E.

Date: 10/22/2024

Signature of Customer/Agent



Regulated Entity Name: Omni Medical Center

Permanent Best Management Practices (BMPs)

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

1. ☒ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
☐ N/A
2. ☒ These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.
☒ The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

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

☐ N/A

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

☐ N/A

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

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

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

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

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

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

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

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

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

- ☐ A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached.
- ☒ No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.
- ☐ Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.
7. ☒ **Attachment C - BMPs for On-site Stormwater.**
- ☒ A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached.
- ☐ Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.
8. ☒ **Attachment D - BMPs for Surface Streams.** A description of the BMPs and measures that prevent pollutants from entering surface streams, sensitive features, or the aquifer is attached. Each feature identified in the Geologic Assessment as sensitive has been addressed.
- ☐ N/A
9. ☒ The applicant understands that to the extent practicable, BMPs and measures must maintain flow to naturally occurring sensitive features identified in either the geologic assessment, executive director review, or during excavation, blasting, or construction.
- ☒ The permanent sealing of or diversion of flow from a naturally-occurring sensitive feature that accepts recharge to the Edwards Aquifer as a permanent pollution abatement measure has not been proposed.
- ☐ **Attachment E - Request to Seal Features.** A request to seal a naturally-occurring sensitive feature, that includes, for each feature, a justification as to why no reasonable and practicable alternative exists, is attached.
10. ☒ **Attachment F - Construction Plans.** All construction plans and design calculations for the proposed permanent BMP(s) and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. The plans are attached and, if applicable include:
- ☒ Design calculations (TSS removal calculations)
- ☒ TCEQ construction notes
- ☒ All geologic features
- ☒ All proposed structural BMP(s) plans and specifications
- ☐ N/A

11. ☒ **Attachment G - Inspection, Maintenance, Repair and Retrofit Plan.** A plan for the inspection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan includes all of the following:
- ☒ Prepared and certified by the engineer designing the permanent BMPs and measures
 - ☒ Signed by the owner or responsible party
 - ☒ Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
 - ☒ A discussion of record keeping procedures
- ☐ N/A
12. ☐ **Attachment H - Pilot-Scale Field Testing Plan.** Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.
- ☒ N/A
13. ☒ **Attachment I - Measures for Minimizing Surface Stream Contamination.** A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that results in water quality degradation.
- ☐ N/A

Responsibility for Maintenance of Permanent BMP(s)

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

14. ☒ The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.
- ☐ N/A
15. ☒ A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.
- ☐ N/A

PERMANENT STORMWATER SECTION
ATTACHMENT B
BMPs for Upgradient Stormwater

There are no permanent BMPs for upgradient stormwater for the Omni Medical Center site because the site will be graded so that upgradient stormwater will flow around the site and not need to be treated.

PERMANENT STORMWATER SECTION
ATTACHMENT C
BMPs for On-Site Stormwater

There is one proposed Permanent BMP for the on-site stormwater for the Omni Medical Center site that will remove 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) as per TCEQ standards. The BMP include a batch detention basin will be constructed to TCEQ standards. The design plans and details can be found on Exhibit C Pond Plan.

PERMANENT STORMWATER SECTION
ATTACHMENT D
BMPs for Surface Streams

The on-site flow will be treated using a batch detention. The batch detention basin will capture and detain the stormwater for 12 hours. The basin serves as a settling basin and a means of limiting downstream erosion by controlling peak flow rates during storm events and meeting TCEQ standards. The storm water from the proposed site will enter into the surface stream system as shallow flow, thereby further reducing the likelihood of erosion.

PERMANENT STORMWATER SECTION
ATTACHMENT F
Construction Plans

There is one proposed Permanent BMP for the on-site stormwater for the Omni Medical Center site. The BMP include is a batch detention basin. The permanent BMPs will be constructed to TCEQ standards, and the design plans and details can be found on Exhibit C Pond Plan.

PERMANENT STORMWATER SECTION
ATTACHMENT G
Inspection, Maintenance, Repair and Retrofit Plan

The contractor will be directed to inspect and maintain all permanent BMPs during construction. One year after construction is complete the permanent BMPs will be turned over to the UDS Four LLC. Any deficiency noted must be corrected immediately by UDS Four LLC. The maintenance guidelines were pulled from the TCEQ Document “Complying with the Edwards Aquifer Rules Technical Guidance on Best Management Practices” and its addendum sheet, the documents can be referenced for a more in-depth explanation of maintenance guidelines.

Maintenance and Inspection:

- (1) Specification of routine and non-routine maintenance activities to be performed;
 - a. Batch Detention Basins
 - i. Inspection- Inspect basin at least twice a year, once during wet weather to evaluate detention and drawdown time. The remaining inspections should occur between storms when the valve and controller can be verified. The level sensor in the basin should be inspected and any debris or sediment in the area should be removed. The outlet structure and the trash screen should be inspected for signs of clogging. Debris and sediment should be removed from the orifice and outlet(s) as described in previous sections. Debris obstructing the valve should be removed. During each inspection, erosion areas inside and downstream of this BMP should be identified and repaired/revegetated immediately.
 - ii. Mowing- Grass areas in and around basins must be mowed at least twice annually to limit vegetation height to 18 inches. When mowing is performed, a mulching mower should be used, or grass clippings should be caught and removed. Vegetation on the pond embankments should be mowed as appropriate to prevent the establishment of woody vegetation.
 - iii. Debris and Litter Removal- Debris and litter should be removed during regular mowing operations and inspections. Attention should be paid to floating debris that can eventually clog the control device or riser. The outlet should be checked for possible clogging or obstruction and debris removed.
 - iv. Erosion- During each inspection, erosion areas on basin side-slopes and embankments must be identified and repaired, regraded or revegetated immediately.
 - v. Nuisance Control- Standing water or soggy conditions may occur in the basin. Twice a year, the facility should be evaluated in terms of nuisance control (insects, weed, odors, algae, etc.).
 - vi. Structural Repairs Replacement- With each inspection, any damage to structural elements of the basin (pipes, concrete drainage structures, retaining walls, etc.) should be identified and repaired immediately. The various inlet/outlet structures in a basin will eventually deteriorate and must be replaced.

- vii. Sediment Removal- Remove sediment when the depth reaches 6 inches or when the proper functioning of inlet and outlet structures is impaired. Sediment should be cleared from the inlet structure at least every year and from the basin at least every 5 years.
 - viii. Logic Controller- The Logic Controller should be inspected as part of the twice-yearly investigations. Verify that the external indicators (active, cycle in progress) are operating properly by turning the controller off and on, and by initiating a cycle by triggering the level sensor in the basin. The valve should be manually opened and closed using the open/close switch to verify valve operation and to assist in inspecting the valve for debris. The solar panel should be inspected and any dust or debris on the panel should be carefully removed. The controller and all other circuitry and wiring should be inspected for signs of corrosion, damage from insects, water leaks, or other damage. inspection.
- (2) A schedule for maintenance activities;
 - a. Inspection and maintenance will be held quarterly and after rainfall events of more than one inch
 - (3) The batch detention basin can be accessed by vehicle as it is directly adjacent to a paved roadway;
 - (4) UDS Four LLC will be in charge of the oversight and scheduling of inspections and maintenance. Urfan Dar of UDS Four LLC is named Declarant and will establish the inspection and maintenance plans for the Organization; and
 - (5) Inspection records will be maintained at the UDS Four LLC offices.



Party Responsible for Maintenance

10.15.24
Date

PERMANENT STORMWATER SECTION
ATTACHMENT I
Measures for Minimizing Surface Stream Contamination

There is one proposed Permanent BMP for the on-site stormwater for Omni Medical Center. The BMP include is a batch detention basin. The permanent BMPs will be constructed to TCEQ standards, and the design plans and details can be found on Exhibit C Pond Plans.

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Omni Medical Center

Regulated Entity Location: 661 Knights Cross Dr., San Antonio, TX 78258

Name of Customer: UDS Four LLC

Contact Person: Urfan Dar

Phone: 210-268-0129

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

☒ San Antonio Regional Office

☐ Mailed to: TCEQ - Cashier

☐ Overnight Delivery to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

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	2.46 Acres	\$ 4,000
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

Signature: Jessica Callee

Date: 10/22/2024

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

<i>Project</i>	<i>Fee</i>
Exception Request	\$500

Extension of Time Requests

<i>Project</i>	<i>Fee</i>
Extension of Time Request	\$150

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

Urfan Dar, MD
Print Name

 Title - Owner/President/Other

of UDS Four LLC
Corporation/Partnership/Entity Name

have authorized Jessica Calhoun, P.E.
Print Name of Agent/Engineer

of _____ **HMT Engineering & Surveying**
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:

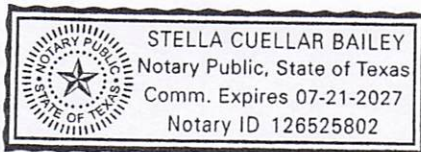
Urfan Dar
Applicant's Signature

10.15.24
Date

THE STATE OF Texas §
County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared Urfan Dar 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 17 day of October 2024.



Stella Cuellar Bailey
NOTARY PUBLIC
Stella C. Bailey
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 7/21/2027



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.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> 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)		10/22/2024			
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)							
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>							
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>			
UDS Four 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)		
0801174598							
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited		
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:			
12. Number of Employees				13. Independently Owned and Operated?			
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following							
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant							
15. Mailing Address:		19141 Stone Oak Pkwy					
		St. 104					
		City	San Antonio	State	TX	ZIP	78258
16. Country Mailing Information (if outside USA)					17. E-Mail Address (if applicable)		
					udarmd@yahoo.com		
18. Telephone Number			19. Extension or Code		20. Fax Number (if applicable)		

SECTION III: Regulated Entity Information

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

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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.)*

Omni Medical Center

23. Street Address of the Regulated Entity:

(No PO Boxes)

661 Knights Cross Dr.

City

San Antonio

State

TX

ZIP

78258

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:

29.633260

28. Longitude (W) In Decimal:

-98.497800

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

29

37

59.736

98

29

52.08

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)

8011

8099

621111

621491

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

Medical Facility

34. Mailing

Address:

19141 Stone Oak Pkwy

St. 104

City

San Antonio

State

TX

ZIP

78258

ZIP + 4

35. E-Mail Address:

udarmd@yahoo.com

36. Telephone Number

37. Extension or Code

38. Fax Number *(if applicable)*

(210) 268-129

() -

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

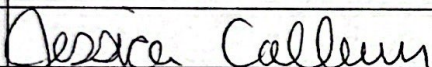
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source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

SECTION IV: Preparer Information

40. Name:	Jessica Calhoun, P.E.		41. Title:	Senior Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(830) 625-8555		() -	jessica.calhoun@hmtnb.com	

SECTION V: Authorized Signature

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

Company:	HMT Engineering & Surveying, Inc.	Job Title:	Senior Project Manager
Name (In Print):	Jessica Calhoun, P.E.	Phone:	(830) 625- 8555
Signature:		Date:	10/22/2024



City of San Antonio Development Services Department



Address Verification and Assignment ADDR-AVAA-24-10101070 661 KNIGHTS CROSS June 07, 2024

Parcel

525880

Address Information

<u>Primary</u>	<u>Address Type</u>	<u>Street #</u>	<u>Pre Direction</u>	<u>Street Name</u>	<u>Street Type</u>	<u>Post Direction</u>	<u>Unit/Suite</u>	<u>Level</u>	<u>Building</u>	<u>City</u>	<u>State</u>	<u>Zip Code</u>	<u>Plat #</u>
Y	Primary Address	661		KNIGHTS CROSS	DR					City of San Antonio	TX	78258	1998000129

Owner

<u>First Name</u>	<u>Last Name</u>	<u>Organization</u>	<u>Recipient</u>	<u>Address</u>
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Licensed Professional

<u>License #</u>	<u>License Type</u>	<u>Business Name</u>	<u>Address 1, City, State, Zip Code</u>	<u>Address 2</u>	<u>Last Name, First Name</u>	<u>Mobile Phone</u>	<u>Email</u>
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Contact

<u>Contact Type</u>	<u>Last Name, First Name</u>	<u>Organization Name</u>	<u>Recipient</u>	<u>Email</u>	<u>Primary Phone</u>	<u>Address 1</u>	<u>Address 2</u>	<u>City</u>	<u>State</u>	<u>Zip Code</u>
Applicant	Leiva, Elsa			permitting@sjkramer.co	2104798900	114 E Cevallos St		SAN ANTONIO	TX	78204

Project Information

<u>ASI Type</u>	<u>ASI Name</u>	<u>ASI Value</u>
ADDRESS TYPE OF REQUESTS	Assignment of a New Address	CHECKED
ADDRESS TYPE OF REQUESTS	Description	NA
ADDRESS TYPE OF REQUESTS	Do you want to Expedite?	No
ADDRESS TYPE OF REQUESTS	Verification of an Existing Address	CHECKED
CONTACT INFORMATION	Contact Flag	0
ICRIP ELIGIBILITY	Are you ICRIP Approved?	No
PROPOSED/EXISTING USE	Total Number of Lots	1
TEMP_EXPR_VALIDATOR	Is expression to be triggered?	N

Custom Tables

GIS JURISDICTIONS

0	Parcel	525880
	Type	San Antonio City Limits
	Value	City of San Antonio
1	Parcel	525880
	Type	Council District
	Value	9

GIS LAND DEVELOPMENT

0	Parcel	525880
	Type	Master Development Plan
	Value	Stone Oak
1	Parcel	525880
	Type	Military Notification Area
	Value	Camp Bullis MNA
2	Parcel	525880
	Type	Neighborhood Association(s)
	Value	Stone Oak - 184
3	Parcel	525880
	Type	School District
	Value	North East ISD
4	Parcel	525880
	Type	USGS Grid
	Value	29098-F4
5	Parcel	525880
	Type	Counties
	Value	Bexar
6	Parcel	525880
	Type	Workzone
	Value	1921
7	Parcel	525880
	Type	Land Sq Ft
	Value	56192.4

GIS WATER AREAS

0	Parcel	525880
	Type	Edwards Aquifer
	Value	ERZD
1	Parcel	525880
	Type	Watershed
	Value	Salado Creek

GIS ZONING BASE

0	Base Zone	C-2
	Case Number	
	Ordinance Number	
	Parcel	525880
	Special Condition	
	Special District	

GIS ZONING OVERLAY

0	Parcel	525880
	Type	Future Land Use
	Value	Suburban Tier - North
1	Parcel	525880
	Type	Military Lighting Overlay District (MLOD)
	Value	MLOD-1 - Camp Bullis - MLOD-1 MLR-1

PARCEL SELECTED

0	City Parcel Number	525880
	County Property ID	734634
	Initial Parcel	N
	Land Value	

0

Legal Description
Parcel Area

NCB 19209 BLK 5 LOT 1 (KNIGHTS CROSS BUSINESS PARK SUBD)
1.29

PARCEL SELECTED DISP

0

City Parcel Number
County Property ID
Initial Parcel
Land Value
Legal Description
Parcel Area

525880
734634
N

NCB 19209 BLK 5 LOT 1 (KNIGHTS CROSS BUSINESS PARK SUBD)
1.29

Documents

Category	Name	Entity Type
Original Application	Request for Address Form.pdf	CAP
COSA Addressing Other	661 KNIGHTS CROSS ADDRESS VERIFICATION.pdf	CAP

Fees

Fee Item	Fee Amount	Invoice Number	Assessed Date	Balance
Land Development Convenience Fee	10.00	1085095	06/07/2024	0.00

OATH

I swear or affirm that the statements contained in this application, including any attachments and related documents, to the best of my knowledge and belief are true, correct, and complete.

CERTIFICATION

I certify that I have read and understand the instructions that accompany this application and that the statements made as part of this application are true, complete, and correct and that no material information has been omitted. By checking the box below, I understand and agree that I am electronically signing and filing this application. By checking this box, I agree to the above certification and am signing this application electronically. I agree my electronic signature is the legal equivalent of my manual signature on this application.

Your application has been submitted and can be monitored/tracked via the online DSD portal - <https://aca.sanantonio.gov/CitizenAccess>