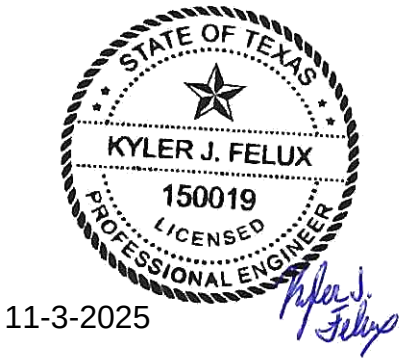
Organized Sewage Collection System Plan:

Hope Center Church
4545 N Loop 1604 W
San Antonio, TX 78249

PREPARED BY:

FELUX ENGINEERING



November 2025
Firm Number 25020

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: Hope Center Church SCS						**2. Regulated Entity No.:**			
3. Customer Name: Nathan Scoggins						**4. Customer No.:**			
5. Project Type: **(Please circle/check one)**	(New)		Modification			Extension		Exception	
6. Plan Type: **(Please circle/check one)**	WPAP	CZP	(SCS)	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential		(Non-residential)			**8. Site (acres):**		8.499	
9. Application Fee:	$650		**10. Permanent BMP(s):**			Batch Detention/Detention Pond			
11. SCS (Linear Ft.):	586		**12. AST/UST (No. Tanks):**			0			
13. County:	Bexar		**14. Watershed:**			Upper SAR 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)	___Edwards Aquifer Authority ___Barton Springs/ Edwards Aquifer ___Hays Trinity ___Plum Creek	___Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	___Austin ___Buda ___Dripping Springs ___Kyle ___Mountain City ___San Marcos ___Wimberley ___Woodcreek	___Austin ___Bee Cave ___Pflugerville ___Rollingwood ___Round Rock ___Sunset Valley ___West Lake Hills	___Austin ___Cedar Park ___Florence ___Georgetown ___Jerrell ___Leander ___Liberty Hill ___Pflugerville ___Round Rock

San Antonio Region					
County:	**Bexar**	**Comal**	**Kinney**	**Medina**	**Uvalde**
Original (1 req.)	___	___	___	___	___
Region (1 req.)	___	___	___	___	___
County(ies)	___	___	___	___	___
Groundwater Conservation District(s)	_X_ Edwards Aquifer Authority ___Trinity-Glen Rose	___Edwards Aquifer Authority	___Kinney	___EAA ___Medina	___EAA ___Uvalde
City(ies) Jurisdiction	___Castle Hills ___Fair Oaks Ranch ___Helotes ___Hill Country Village ___Hollywood Park _X_San Antonio (SAWS) ___Shavano Park	___Bulverde ___Fair Oaks Ranch ___Garden Ridge ___New Braunfels ___Schertz	NA	___San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review. Kyler Felux Print Name of Customer/Authorized Agent
Signature of Customer/Authorized Agent — Date: 11-3-2025

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.

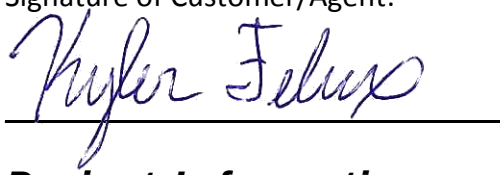
Signature

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: Kyler Felux

Date: 11/3/2025

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Hope Center Church SCS
2. County: Bexar
3. Stream Basin: Olmos Creek
4. Groundwater Conservation District (If applicable): Edwards Aquifer Authority
5. Edwards Aquifer Zone:

   ☒ Recharge Zone
   ☐ Transition Zone

6. Plan Type:

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

7. Customer (Applicant):

Contact Person: Budde Rule
Entity: Hope Center Church
Mailing Address: 4545 N Loop 1604 W
City, State: San Antonio, Texas Zip: 78249
Telephone: 210-842-8686 FAX: _____
Email Address: budde54@yahoo.com

8. Agent/Representative (If any):

Contact Person: Kyler Felux
Entity: Felux Engineering
Mailing Address: 400 N. Storts St.
City, State: Poth, Texas Zip: 78147
Telephone: 210-818-3340 FAX: _____
Email Address: feluxeng@gmail.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.

_____ The project is located at the address 4545 N Loop 1604 W, San Antonio, TX 78249. The property takes access off of Loop 1604 and is behind the commercial retail spaces directly off of Loop 1604.

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: 11/14/2025

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

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

15. Existing project site conditions are noted below:

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

Prohibited Activities

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

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

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

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

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

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

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

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

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

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

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

Administrative Information

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

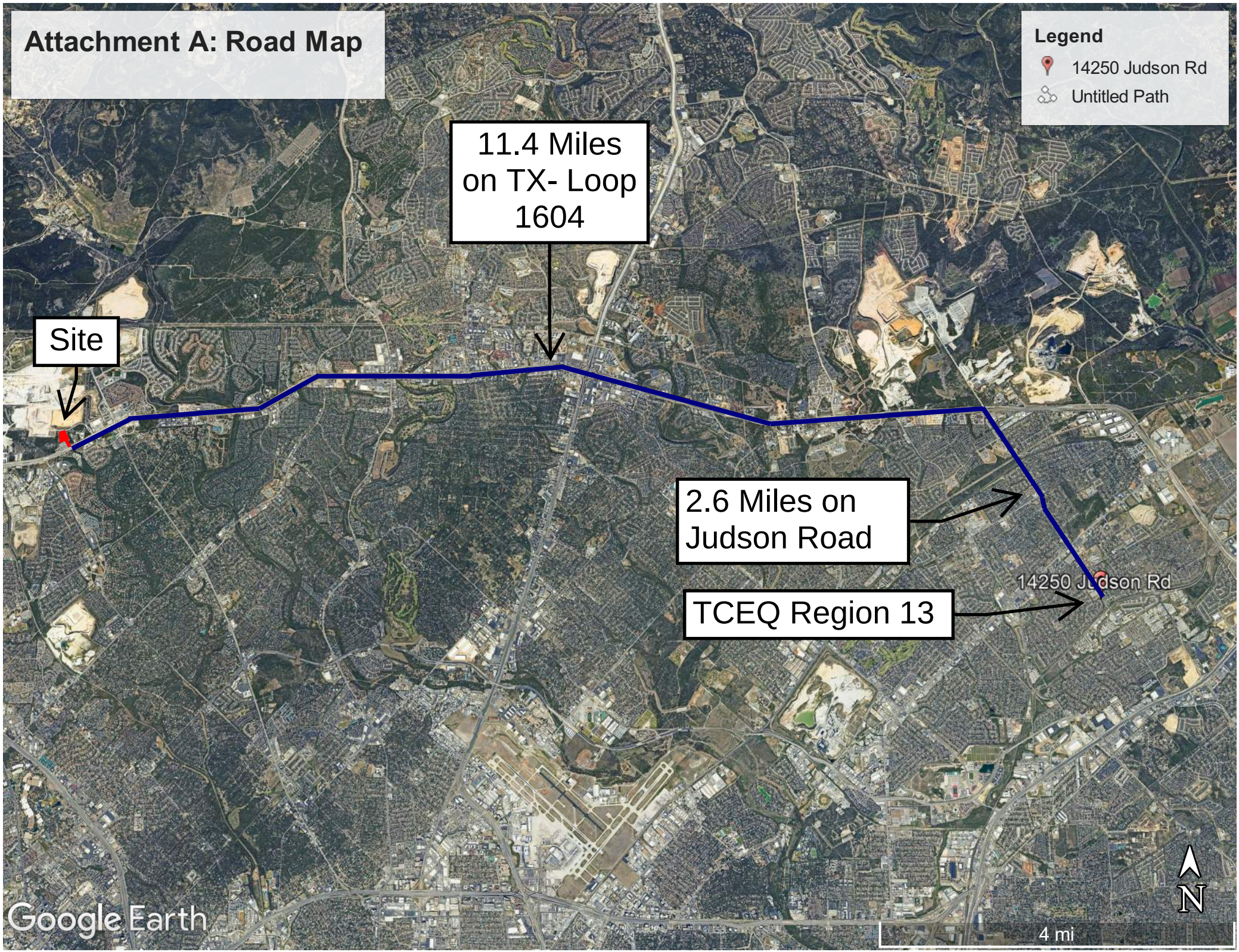
- ☐ For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
- ☒ For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
- ☐ For a UST Facility Plan or Modification or an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

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

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

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

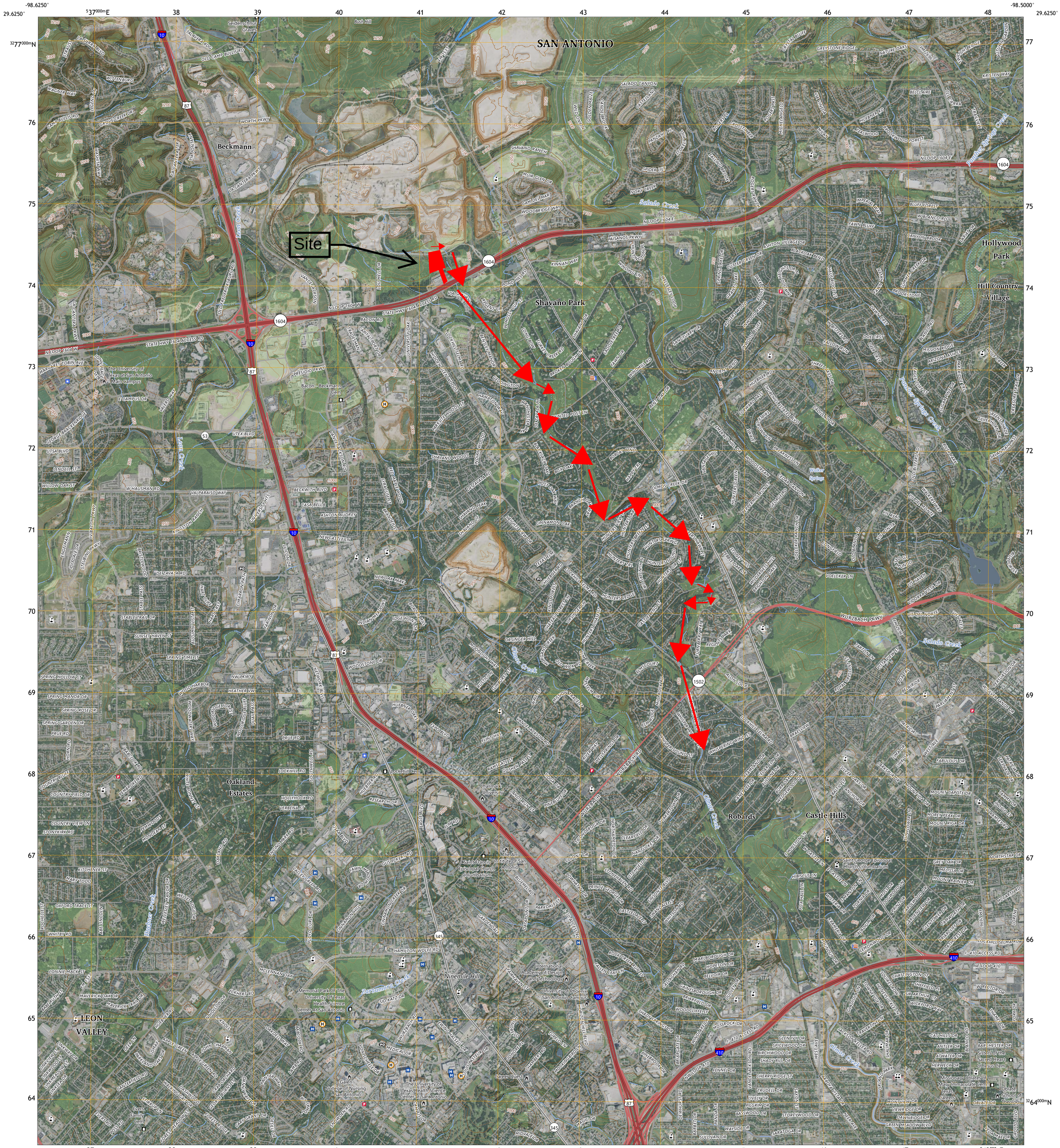
21. ☒ No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.


Attachment A: Road Map
Legend
14250 Judson Rd
Untitled Path
11.4 Miles on TX- Loop 1604
Site
2.6 Miles on Judson Road
14250 Judson Rd
TCEQ Region 13
N
Google Earth
4 mi

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

CASTLE HILLS QUADRANGLE
TEXAS - BEXAR COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads..... U.S. Census Bureau, 2015 - 2019
Names.....GNIS, 1979 - 2023
Hydrography.....National Hydrography Dataset, 2003 - 2022
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2020 - 2022

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
3°45′
67 MILS
0°13′
4 MILS
UTM GRID AND 2023 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
NT
Grid Zone Designation
14R

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES

1 Van Raub
2 Camp Bullis
3 Bulverde
4 Helotes
5 Longhorn
6 Culebra Hill
7 San Antonio West
8 San Antonio East

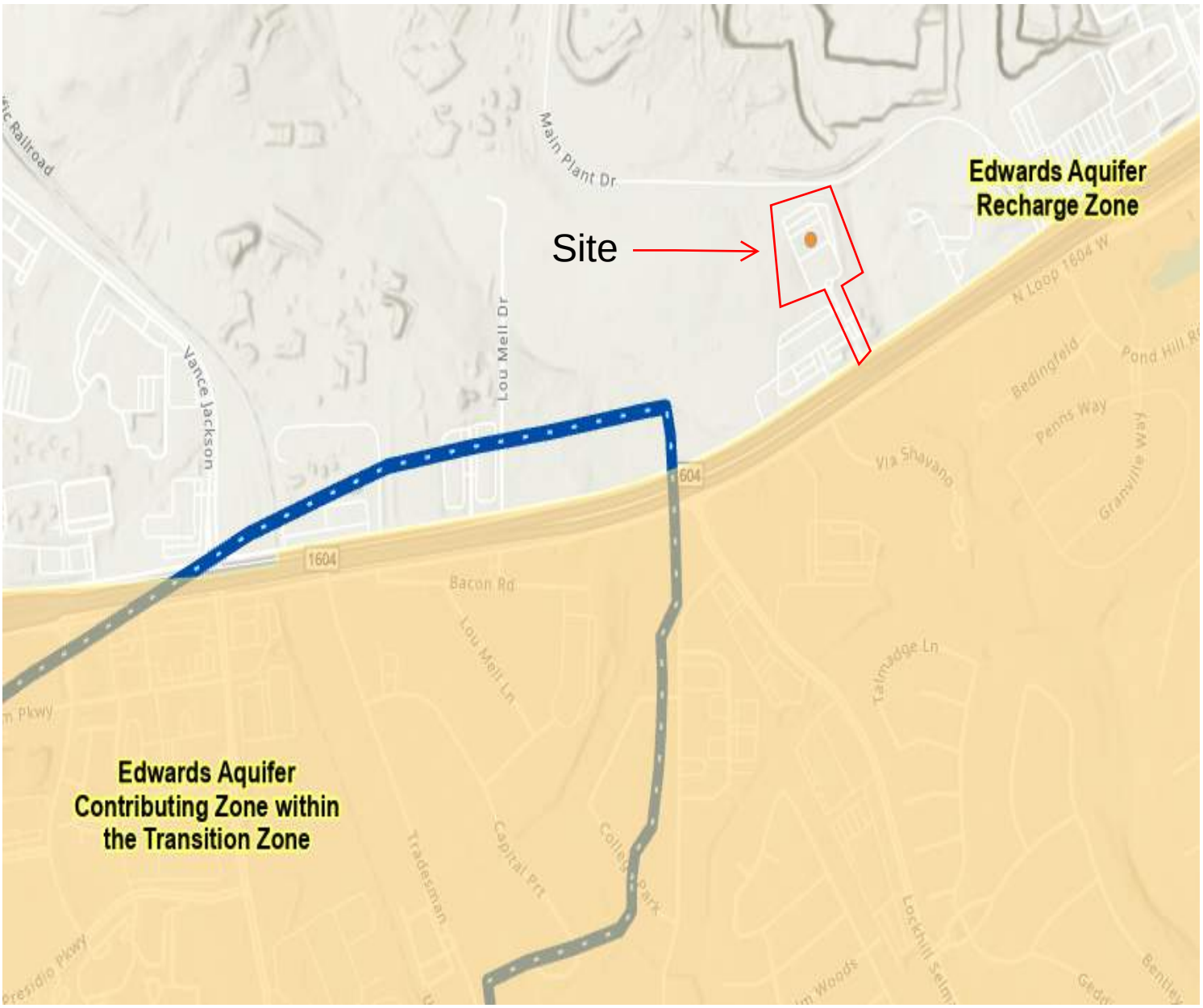
ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

CASTLE HILLS, TX
2023

NSN, 7643016395432
NGA REF NO. USGSX24K7582

Attachment B:
USGS/Edwards Recharge Zone Map



General Information Form

Attachment C

Project Description

Currently, the site is developed as an existing church including a building, parking facilities, playground with open spaces, trees, and an existing water quality pond, totaling approximately 8.499 acres. The site is located on the north side of San Antonio, north of Loop 1604 between Lockhill Selma Road and NW Military Highway. The site is located in the Edwards Aquifer Recharge Zone and within the city limits of San Antonio.

The site has had a previous Water Pollution Abatement Plan completed, Castle Hills Pentecostal Church, Project No. 1208, on May 4, 1999. The site currently has 4.60 acres of existing impervious cover.

Drainage for the site goes from the northwest to the southeast. Offsite areas include natural range land that drains to the site. As part of the platting process through the City of San Antonio, all offsite drainage will be diverted around the site, avoiding proposed BMPs.

The proposed development will be an additional building with associated parking and utilities. The existing septic system will be taken off line and connected to the public system. Portions of the existing asphalt will be demolished for utility installations but will be replaced to match existing conditions. Other miscellaneous demolitions will include parking islands, curbs, playground, and several other small recreational features. The proposed BMP will be a batch detention pond for TSS removal. The water quality volume required per the TCEQ worksheet is approximately 3,504 cubic feet. The water quality volume provided for the site is 3,534 cubic feet and will be detained for 12 hours and released over 48 hours as described in TCEQ RG-348. Detention will be provided to mitigate the increase in runoff.

Geologic Assessment

Hope Center Church
4545 N Loop 1604 W
San Antonio, Bexar County, Texas 78249

Prepared For

Felux Engineering
PO Box 964
Poth, Texas 78147

May 12, 2025

UES
14731 Pebble Bend Dr
Houston, Texas, 77068
281.580.8892 | TeamUES.com

At UES, we are experts in the areas of environmental and earth sciences, sustainable infrastructure solutions, and geophysical technologies. Our nationwide network of nearly 4,000 engineers and technical professionals identify and solve complex engineering and construction challenges by providing specialized engineering, environmental, testing and inspection services. We strive to serve as trusted partners, providing our clients with innovative, technology-based solutions.

UES has engaged a third-party environmental firm, SQ Environmental, LLC, to conduct a Geologic Assessment on the subject property. The following activities were completed as part of the Geologic Assessment to investigate the property for the presence of geologic and manmade features, and to identify potential pathways for contaminant movement to the Edwards Aquifer, pursuant to Texas rules for regulated activities within the Recharge Zone (30 Texas Administrative Code [TAC] §213). The Geologic Assessment included evaluating the property for the potential presence of the following features:

- Bedrock
- Caves
- Faults
- Water wells
- Streams or springs
- Fractures or solution zones

Based on the Geologic Assessment, no sensitive features, with the exception of a non-karst closed depression (detention pond), were identified at ground surface on the subject property. If potentially sensitive geologic features are encountered during development activities, work should stop immediately, and the feature be investigated by a Texas registered Professional Geologist. Specifically, if evidence of potential faulting, including offset features, scarps, slickensides, gouge, or breccia, is observed during the development of the proposed detention pond, additional evaluation is recommended. Attached are the detailed findings from this assessment.

Respectfully,

Leah Parker
Due Diligence Manager
Environmental Services – Texas Region

UES
Texas Registered Geoscience Firm No. 50041
Texas Registered Engineering Firm No. F-2430

ATTACHMENT: GEOLOGIC ASSESSMENT

Geologic Assessment

Texas Commission on Environmental Quality

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

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

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

Signature

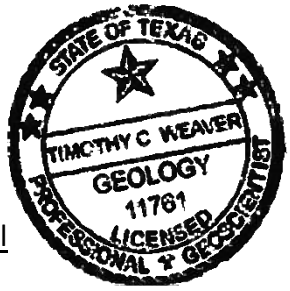
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Print Name of Geologist: Clint Weaver Telephone: 806-773-9326

Date: 5/7/25 Fax: --

Representing: SQ Environmental LLC; F-50464 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: Castle Hills United Pentecostal

Project Information

1. Date(s) Geologic Assessment was performed: 4/20/25
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)
Cb	D	4.17

** 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" = 120'
   Site Geologic Map Scale: 1" = 120'
   Site Soils Map Scale (if more than 1 soil type): 1" = Not Applicable; 1 soil type'

9. Method of collecting positional data:

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

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

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

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

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

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

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

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

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

Administrative Information

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

ATTACHMENT A

GEOLOGIC ASSESSMENT TABLE | **PROJECT NAME:** 4545 N Loop 1604 W, San Antonio, Texas 78249

LOCATION			FEATURE CHARACTERISTICS												EVALUATION			PHYSICAL SETTING		
1A	1B *	1C*	2A	2B	3	4			5	5A	6	7	8A	8B	9	10		11		12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
						X	Y	Z		10						<40	>40	<1.6	>1.6	
POND-1	29.597028	-98.573556	CD	5	Soil	50	25	3	--	0	--	--	F	5	10	X			X	Drainage

* DATUM: Google Earth

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

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

12 TOPOGRAPHY

Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed

I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Date 5/7/2025

Sheet 1 of 1

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

ATTACHMENT B

GENERAL STRATIGRAPHIC COLUMN

4545 N Loop 1604 W

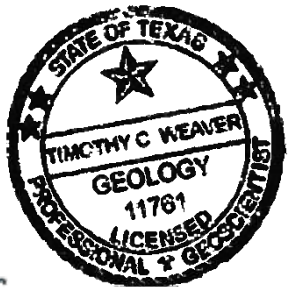
San Antonio, Texas 78249

Lower Cretaceous	Edwards Limestone; 300 - 500 feet thick
	Upper member of Glen Rose Limestone; 400 feet thick
	Lower member of Glen Rose Limestone; 500 feet thick

NOTES:

Source: USGS Bureau of Economic Geology, Texas Geology Mapper.

Shaded blue cell represents the uppermost and observed unit located on the subject property.



Timothy Weaver, P.G. No. 11761 5/7/2025

ATTACHMENT C
SITE GEOLOGIC DESCRIPTION

4545 N Loop 1604 W
San Antonio, Texas 78249

PROPERTY DESCRIPTION

The approximately 8.499-acre subject property is comprised of one Bexar Appraisal District (BAD) parcel located within the city limits of San Antonio, Texas. Based on a review of historical records, the subject property was undeveloped prior to 2000, when an approximately 24,900 square foot (ft^2) church building was constructed, in addition to 136,000 ft^2 of asphalt parking area. A layout of the subject property is shown on **Attachment D-2**.

The property is located within the Edwards Aquifer Recharge Zone (TCEQ, 2025). The Edwards Aquifer Recharge Zone is defined by areas where surface water enters the subsurface through exposed limestone bedrock containing faults, fractures, sinkholes, or caves. The boundary of the Edwards Aquifer Recharge and Transition Zones, relative to the subject property, are shown on **Attachment D-1**.

Two Edwards Aquifer Permit Applications (ID Nos. 13-99020401 and 13-99020401A) were previously submitted and approved in 1999. As discussed below, no sensitive geologic features were observed at ground surface on the subject property, although a non-karst closed depression (stormwater detention pond) is present on the subject property, and an additional detention pond is planned. The layout of the subject property including the locations of the detention ponds are shown on **Attachment D-2**. The completed Geologic Assessment Table is provided as **Attachment A** and includes the existing detention pond.

GEOLOGIC AND SOIL DESCRIPTION

The geology at ground surface on the subject property and in the immediate surrounding area consists of the Edwards Limestone (Ked) of the Lower Cretaceous, which is a unit comprised of fine to coarse grained limestone ranging from 300 ft to 500 ft in thickness. Based on the Geologic Atlas of Texas (San Antonio Sheet), the Edwards Limestone in this area is underlain by the Upper Glen Rose Formation (limestone that is 400 ft thick) and the Lower Glen Rose Formation (limestone that is 500 ft thick), both of the Lower Cretaceous (USGS, 2025). A general stratigraphic column of the units in the area of the subject property is provided as **Attachment B**. A fault, as mapped by the United States Geological Survey (USGS), is located on the southern portion of the subject property. No evidence of this fault, such as offset features, scarps, slickensides, gouge, or breccia, was visible at the ground surface on the subject property during site reconnaissance. A Site Geologic Map the same scale as the Site Plan is provided as **Attachment D-3**.

The onsite soil is Crawford, stony and Bexar soils (Cb), classified as hydrologic soil group D, which is characterized by a very slow infiltration rate (USDA, 2025). The soil profile consists of stony clay up to 34 inches in depth, followed by bedrock between 34 and 50 inches deep. This soil is residuum weathered from limestone that originates on hillslopes.

GEOLOGIC ASSESSMENT SUMMARY

The following activities were completed as part of the Geologic Assessment to investigate the property for the presence of geologic and manmade features, and to identify potential pathways for contaminant movement to the Edwards Aquifer, pursuant to Texas rules for regulated activities within the Recharge Zone (30 Texas Administrative Code [TAC] §213). The Geologic Assessment included evaluating the property for the potential presence of the following features:

- Bedrock
- Caves

- Faults
- Water wells
- Streams or springs
- Fractures or solution zones

Prior to completing the field survey, research was conducted from available literature and online resources, including the United States Geological Survey (USGS) Bureau of Economic Geology Texas Geologic Atlas, United States Department of Agriculture (USDA) Web Soil Survey Mapper, Texas Water Development Board (TWDB) Groundwater Data Viewer, Texas Railroad Commission (RRC) Well Viewer, and Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps. Additionally, historical aerial photographs were also examined. No sensitive geologic or manmade features were identified on the subject property or within 100 ft of the property during the research activities. No portion of the site is located within the 100-year floodplain (FEMA, 2010). No oil/gas wells are located on or adjacent to the site (RRC, 2025). No water wells were identified on or within 500 ft of the subject property (TWDB, 2025).

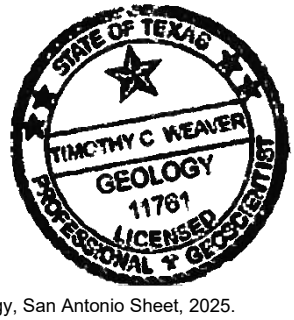
A field survey was conducted on 20 April 2025. The entire subject property was walked on foot to survey the ground surface for the presence of geologic features. No sensitive geologic features, including caves, streams, or springs were observed at ground surface on the subject property during the site assessment. Limestone bedrock outcrops were observed on the eastern, northern, and western portions of the subject property; however, no fractures, solution zones, vugs, or cavities were observed at the ground surface in this bedrock or other areas of the subject property.

No surface water features are present on the subject property. Stormwater that falls on the subject property travels by sheet flow primarily to the southeast via the asphalt parking areas, to an onsite stormwater detention pond in the southeast corner of the property before ultimately traveling to an offsite, concrete drainage easement located adjacent east and south.

The existing detention pond (POND-1) is considered a non-karst closed depression, which is a natural or non-natural topographic depression that is not formed by karst processes and is not bedrock floored, and larger than 6 ft in at least one direction and with 6 inches or more of topographic relief. The detention pond currently onsite is approximately 50 ft by 25 ft by 3 ft deep. The floor of the pond is compacted clay-rich sediment and has a low infiltration rate, as it was intended and constructed in 2000.

Based on the current Site Plan provided as **Attachment D-4**, a building will be constructed in the center of the subject property that is currently cleared and covered with crushed rock. Additional asphalt parking areas will be constructed on the western portion of the subject property, in addition to a second stormwater detention pond near the southern property boundary. As planned, the additional detention pond will also have a compacted clay-rich sediment floor.

Based on the Geologic Assessment, no sensitive features, with the exception of a non-karst closed depression (detention pond), were identified at ground surface on the subject property. If potentially sensitive geologic features are encountered during development activities, work should stop immediately, and the feature be investigated by a Texas registered Professional Geologist. Specifically, if evidence of potential faulting, including offset features, scarps, slickensides, gouge, or breccia, is observed during the development of the proposed detention pond, additional evaluation is recommended.



_____ 5/7/2025

Timothy Weaver, P.G. No. 11761

Sources:
1. TCEQ Edwards Aquifer Viewer, 2025.
2. Texas Water Development Board, 2025.
3. US Department of Agriculture Web Soil Survey, 2025.
4. Railroad Commission of Texas, 2025.
5. USGS Geologic Atlas of Texas - Bureau of Economic Geology, San Antonio Sheet, 2025.

LEGEND

SUBJECT PROPERTY BOUNDARY, APPROXIMATE

SOURCE: GOOGLE EARTH, IMAGERY DATED 1/10/2025

5/7/25

STATE OF TEXAS
TIMOTHY C WEAVER
GEOLOGY
11761
LICENSED
PROFESSIONAL GEOSCIENTIST

N

0 100 200

SCALE IN FEET

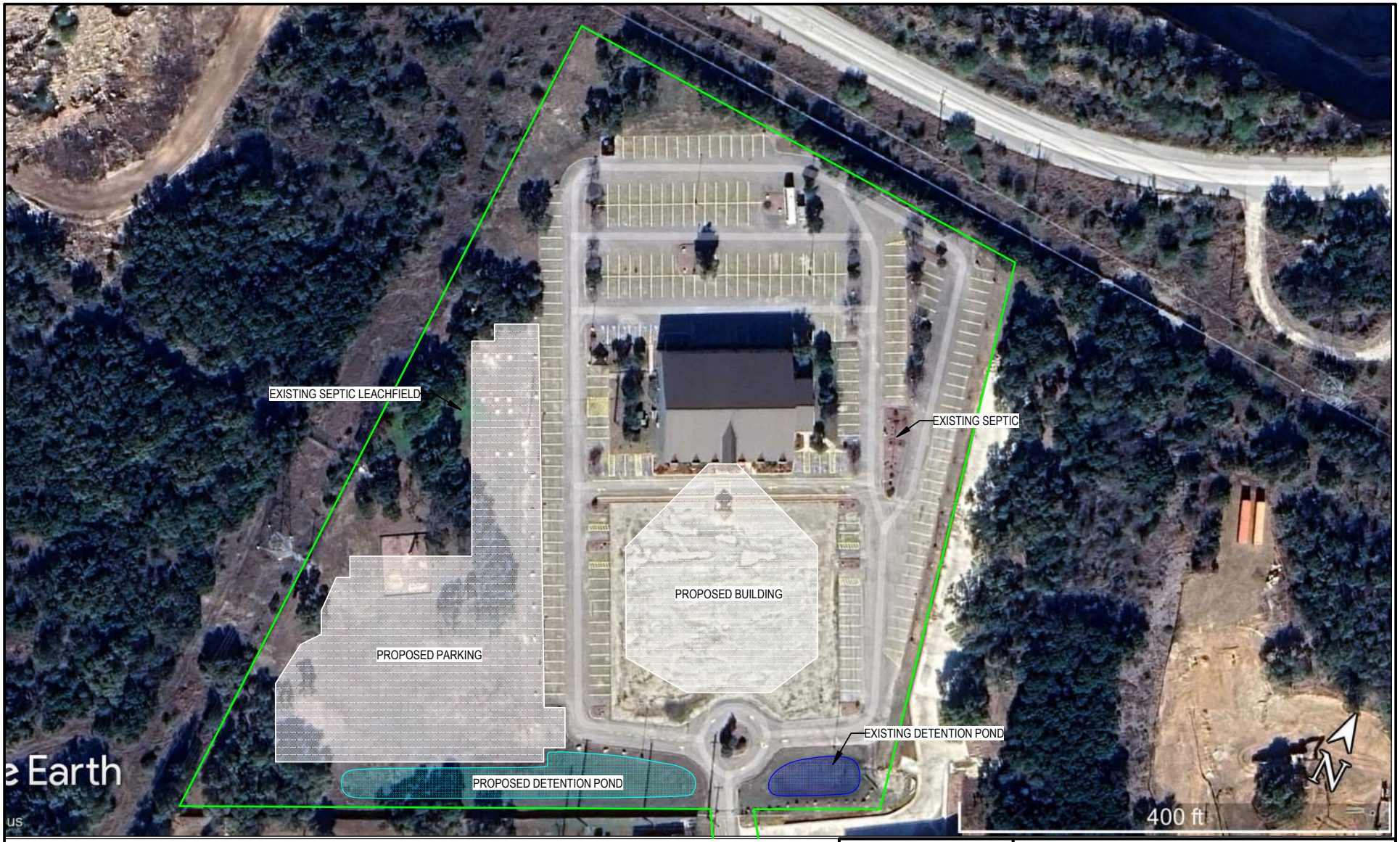
SQ Environmental, LLC

ATTACHMENT D-1

PROPERTY LOCATION MAP

4545 N LOOP 1604 W
SAN ANTONIO, TEXAS 78249

SCALE:	DATE:	PN:
1 IN = 200 FT	MAY 2025	1131.017.001



LEGEND

- SUBJECT PROPERTY BOUNDARY, APPROXIMATE
- EXISTING STORMWATER DETENTION POND
- PROPOSED STORMWATER DETENTION POND

SOURCE: GOOGLE EARTH, IMAGERY DATED 1/10/2025

STATE OF TEXAS
TIMOTHY C WEAVER
GEOLOGY
11761
LICENSED
PROFESSIONAL GEOSCIENTIST

5/7/25

0 60 120
SCALE IN FEET

NOTE: SOIL COVER OVER ENTIRE PROPERTY IS CRAWFORD, STONY AND BEXAR SOILS (Cb).

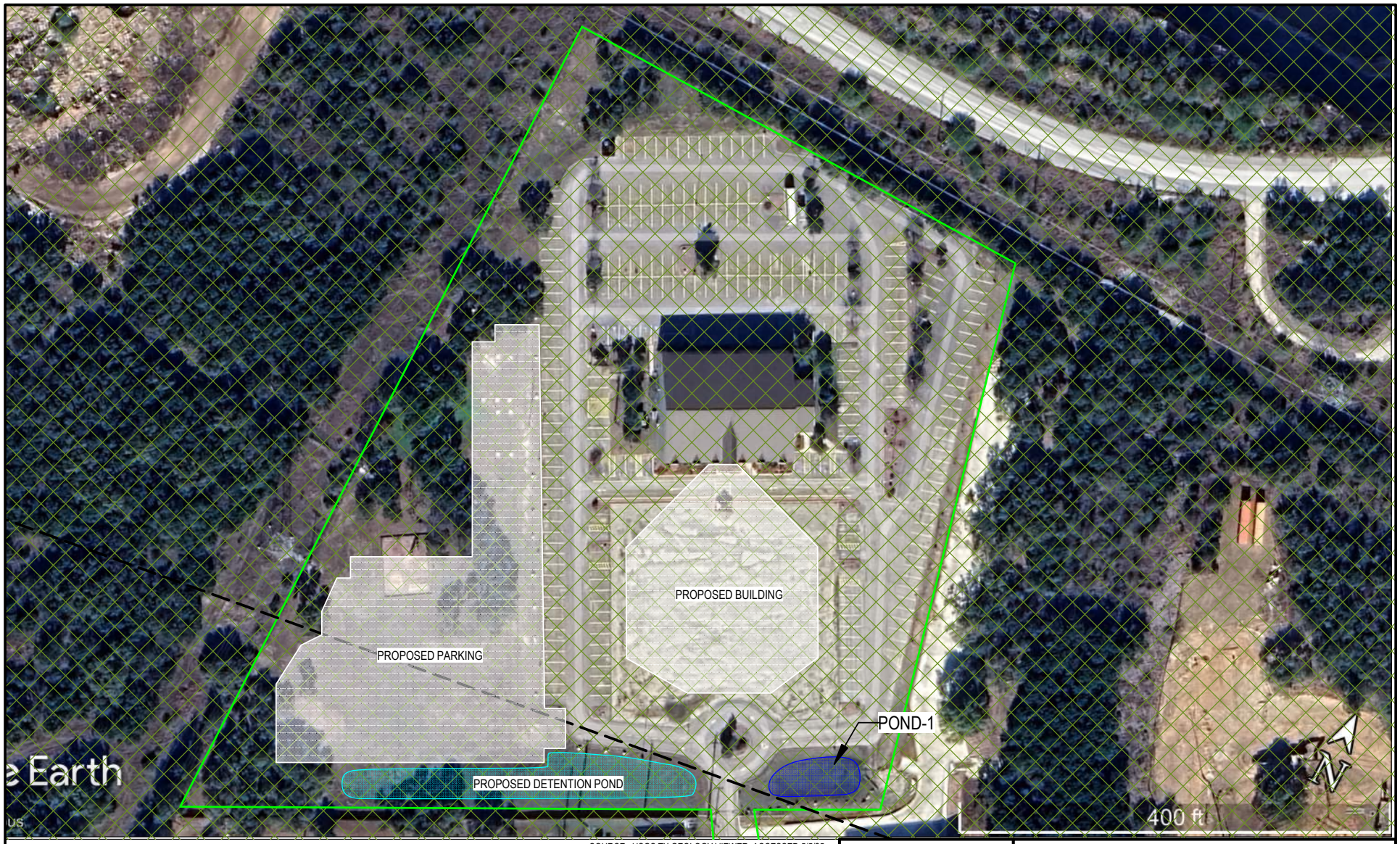
SQ Environmental, LLC

ATTACHMENT D-2

PROPERTY LAYOUT MAP

4545 N LOOP 1604 W
SAN ANTONIO, TEXAS 78249

SCALE:	DATE:	PN:
1 IN = 120 FT	MAY 2025	1131.017.001



LEGEND

- SUBJECT PROPERTY BOUNDARY, APPROXIMATE
- Ked - EDWARDS LIMESTONE
- FAULT (AS MAPPED BY USGS)
- EXISTING STORMWATER DETENTION POND
- PROPOSED STORMWATER DETENTION POND

SOURCE: USGS TX GEOLOGY VIEWER, ACCESSED 5/5/25

STATE OF TEXAS
TIMOTHY C WEAVER
GEOLOGY
11761
LICENSED
PROFESSIONAL GEOSCIENTIST

N

0 60 120
SCALE IN FEET

SQ Environmental, LLC

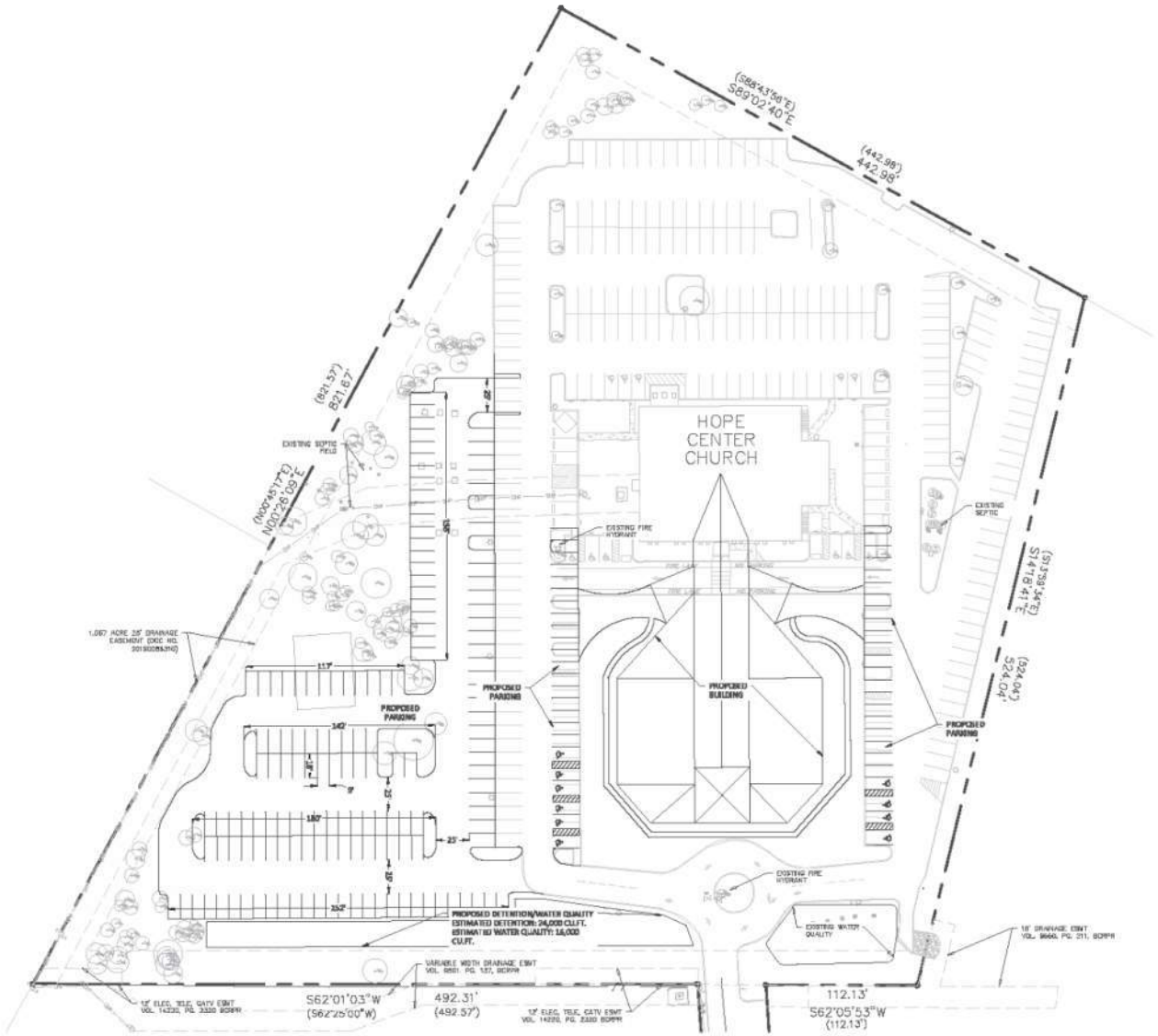
ATTACHMENT D-3

SITE GEOLOGIC MAP

4545 N LOOP 1604 W
SAN ANTONIO, TEXAS 78249

SCALE:	DATE:	PN:
1 IN = 120 FT	MAY 2025	1131.017.001

5/7/25



SOURCE: FELUX ENGINEERING SITE PLAN EXHIBIT DATED 7/2/2024

N

0 60 120

SCALE IN FEET

SQ Environmental, LLC

ATTACHMENT D-4

SITE PLAN

4545 N LOOP 1604 W
SAN ANTONIO, TEXAS 78249

SCALE:	DATE:	PN:
1 IN = 120 FT	MAY 2025	1131.017.001

Organized Sewage Collection System Application

Texas Commission on Environmental Quality

For Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(c), 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.

Regulated Entity Name: Hope Center Church SCS

1. [X] **Attachment A – SCS Engineering Design Report**. This Engineering Design Report is provided to fulfill the requirements of 30 TAC Chapter 217, including 217.10 of Subchapter A, §§217.51 – 217.70 of Subchapter C, and Subchapter D as applicable, and is required to be submitted with this SCS Application Form.

Customer Information

2. The entity and contact person responsible for providing the required engineering certification of testing for this sewage collection system upon completion (including private service connections) and every five years thereafter to the appropriate TCEQ region office pursuant to 30 TAC §213.5(c) is:

   Contact Person: Budde Rule
   Entity: Hope Center Church
   Mailing Address: 4545 N Loop 1604 W
   City, State: San Antonio, Texas Zip: 78249
   Telephone: 210-842-8686 Fax: _____
   Email Address: budde54@yahoo.com
   The appropriate regional office must be informed of any changes in this information within 30 days of the change.

3. The engineer responsible for the design of this sewage collection system is:

   Contact Person: Kyler Felux
   Texas Licensed Professional Engineer's Number: 150019
   Entity: Felux Engineering
   Mailing Address: 400 N. Storts St.
   City, State: Poth, Texas Zip: 78147
   Telephone: 210-818-3340 Fax: _____
   Email Address: feluxeng@gmail.com

Project Information

4. Anticipated type of development to be served (estimated future population to be served, plus adequate allowance for institutional and commercial flows):

   ☐ Residential: Number of single-family lots: _____
   ☐ Multi-family: Number of residential units: _____
   ☐ Commercial
   ☐ Industrial
   ☐ Off-site system (not associated with any development)
   ☒ Other: Church

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

   100 % Domestic — 6000 gallons/day
   _____% Industrial — _____ gallons/day
   _____% Commingled — _____ gallons/day
   Total gallons/day: 6000

6. Existing and anticipated infiltration/inflow is 0 gallons/day. This will be addressed by: _____.

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

   ☐ The WPAP application for this development was approved by letter dated _____. A copy of the approval letter is attached.
   ☒ The WPAP application for this development was submitted to the TCEQ on _____, but has not been approved. 7-22-2025
   ☐ A WPAP application is required for an associated project, but it has not been submitted.
   ☐ There is no associated project requiring a WPAP application.

8. Pipe description:

Table 1 - Pipe Description

Pipe Diameter(Inches)	*Linear Feet (1)*	*Pipe Material (2)*	*Specifications (3)*
8"	568	SDR 26	ASTM D3034
6"	18	SDR 26	ASTM D3034

Total Linear Feet: 586

(1) Linear feet - Include stub-outs and double service connections. Do not include private service laterals.
(2) Pipe Material - If PVC, state SDR value.
(3) Specifications - ASTM / ANSI / AWWA specification and class numbers should be included.

9. The sewage collection system will convey the wastewater to the _____ (name) Treatment Plant. The treatment facility is: Dos Rios WRC

   [X] Existing
   [ ] Proposed

10. All components of this sewage collection system will comply with:

   [ ] The City of _____ standard specifications.
   [X] Other. Specifications are attached. SAWS

11. [X] No force main(s) and/or lift station(s) are associated with this sewage collection system.

   [ ] A force main(s) and/or lift station(s) is associated with this sewage collection system and the **Lift Station/Force Main System Application** form (TCEQ-0624) is included with this application.

Alignment

12. [X] There are no deviations from uniform grade in this sewage collection system without manholes and with open cut construction.

13. [X] There are no deviations from straight alignment in this sewage collection system without manholes.

   [ ] **Attachment B - Justification and Calculations for Deviation in Straight Alignment without Manholes**. A justification for deviations from straight alignment in this sewage collection system without manholes with documentation from pipe manufacturer allowing pipe curvature is attached.
   [ ] For curved sewer lines, all curved sewer line notes (TCEQ-0596) are included on the construction plans for the wastewater collection system.

Manholes and Cleanouts

14. [X] Manholes or clean-outs exist at the end of each sewer line(s). These locations are listed below: (Please attach additional sheet if necessary)

Table 2 - Manholes and Cleanouts

Line	*Shown on Sheet*	*Station*	*Manhole or Clean-out?*
A	16 Of 46	0+00	Manhole
A	16 Of 46	0+63	Manhole
A	16 Of 46	1+11	Clean-out
A	16 Of 46	1+24	Clean-out
A	16 Of 46	2+83	Clean-out
A	16 Of 46	3+08	Clean-out
A	16 Of 46	3+45	Manhole

Line	*Shown on Sheet*	*Station*	*Manhole or Clean-out?*
A	16 Of 46	3+93	Clean-out
A	16 Of 46	4+60	Clean-out
A	16 Of 46	5+68	Manhole

15. [X] Manholes are installed at all Points of Curvature and Points of Termination of a sewer line.

16. [X] The maximum spacing between manholes on this project for each pipe diameter is no greater than:

Pipe Diameter (inches)	Max. Manhole Spacing (feet)
6 - 15	500
16 - 30	800
36 - 48	1000
≥54	2000

[ ] **Attachment C – Justification for Variance from Maximum Manhole Spacing**. The maximum spacing between manholes on this project (for each pipe diameter used) is greater than listed in the table above. A justification for any variance from the maximum spacing is attached, and must include a letter from the entity which will operate and maintain the system stating that it has the capability to maintain lines with manhole spacing greater than the allowed spacing.

17. [ ] All manholes will be monolithic, cast-in-place concrete.

[X] The use of pre-cast manholes is requested for this project. The manufacturer's specifications and construction drawings, showing the method of sealing the joints, are attached.

Site Plan Requirements

Items 18 - 25 must be included on the Site Plan.

18. [X] The Site Plan must have a minimum scale of 1" = 400'.

Site Plan Scale: 1" = 20 '.

19. [X] The Site Plan must include the sewage collection system general layout, including manholes with station numbers, and sewer pipe stub outs (if any). Site plan must be overlain by topographic contour lines, using a contour interval of not greater than ten feet and showing the area within both the five-year floodplain and the 100-year floodplain of any drainage way.

20. Lateral stub-outs:

[X] The location of all lateral stub-outs are shown and labeled.
[ ] No lateral stub-outs will be installed during the construction of this sewer collection system.

21. Location of existing and proposed water lines:

☒ The entire water distribution system for this project is shown and labeled.
☐ If not shown on the Site Plan, a Utility Plan is provided showing the entire water and sewer systems.
☐ There will be no water lines associated with this project.

22. 100-year floodplain:

☒ After construction is complete, no part of this project will be in or cross a 100-year floodplain, either naturally occurring or manmade. (Do not include streets or concrete-lined channels constructed above of sewer lines.)
☐ After construction is complete, all sections located within the 100-year floodplain will have water-tight manholes. These locations are listed in the table below and are shown and labeled on the Site Plan. (Do not include streets or concrete-lined channels constructed above sewer lines.)

Table 3 - 100-Year Floodplain

Line	*Sheet*	*Station*
	of	to
	of	to
	of	to
	of	to

23. 5-year floodplain:

☒ After construction is complete, no part of this project will be in or cross a 5-year floodplain, either naturally occurring or man-made. (Do not include streets or concrete-lined channels constructed above sewer lines.)
☐ After construction is complete, all sections located within the 5-year floodplain will be encased in concrete or capped with concrete. These locations are listed in the table below and are shown and labeled on the Site Plan. (Do not include streets or concrete-lined channels constructed above sewer lines.)

Table 4 - 5-Year Floodplain

Line	*Sheet*	*Station*
	of	to
	of	to
	of	to
	of	to

24. ☒ Legal boundaries of the site are shown.

25. ☒ The ***final plans and technical specifications*** are submitted for the TCEQ's review. Each sheet of the construction plans and specifications are dated, signed, and sealed by the Texas Licensed Professional Engineer responsible for the design on each sheet.

Items 26 - 33 must be included on the Plan and Profile sheets.

26. ☐ All existing or proposed water line crossings and any parallel water lines within 9 feet of sewer lines are listed in the table below. These lines must have the type of pressure rated pipe to be installed shown on the plan and profile sheets. Any request for a variance from the required pressure rated piping at crossings must include a variance approval from 30 TAC Chapter 290.

☒ There will be no water line crossings.
☒ There will be no water lines within 9 feet of proposed sewer lines.

Table 5 - Water Line Crossings

Line	*Station or Closest Point*	*Crossing or Parallel*	*Horizontal Separation Distance*	*Vertical Separation Distance*

27. Vented Manholes:

☒ **No part** of this sewer line is within the 100-year floodplain and vented manholes are not required by 30 TAC Chapter 217.
☐ **A portion** of this sewer line is within the 100-year floodplain and vented manholes will be provided at less than 1500 foot intervals. These water-tight manholes are listed in the table below and labeled on the appropriate profile sheets.
☐ **A portion** of this sewer line is within the 100-year floodplain and an alternative means of venting shall be provided at less than 1500 feet intervals. A description of the alternative means is described on the following page.
☐ **A portion** of this sewer line is within the 100-year floodplain; however, there is no interval longer than 1500 feet located within. No vented manholes will be used.

Table 6 - Vented Manholes

Line	*Manhole*	*Station*	*Sheet*

Line	*Manhole*	*Station*	*Sheet*

28. Drop manholes:

☐ There are no drop manholes associated with this project.
☒ Sewer lines which enter new or existing manholes or "manhole structures" higher than 24 inches above the manhole invert are listed in the table below and labeled on the appropriate profile sheets. These lines meet the requirements of 30 TAC §217.55(l)(2)(H).

Table 7 - Drop Manholes

Line	*Manhole*	*Station*	*Sheet*
A	MH-1	5+68	17 of 46

29. Sewer line stub-outs (For proposed extensions):

☐ The placement and markings of all sewer line stub-outs are shown and labeled.
☒ No sewer line stub-outs are to be installed during the construction of this sewage collection system.

30. Lateral stub-outs (For proposed private service connections):

☐ The placement and markings of all lateral stub-outs are shown and labeled.
☒ No lateral stub-outs are to be installed during the construction of this sewage collection system.

31. Minimum flow velocity (From Appendix A)

☒ Assuming pipes are flowing full; all slopes are designed to produce flows equal to or greater than 2.0 feet per second for this system/line.

32. Maximum flow velocity/slopes (From Appendix A)

☒ Assuming pipes are flowing full, all slopes are designed to produce maximum flows of less than or equal to 10 feet per second for this system/line.
☐ **Attachment D – Calculations for Slopes for Flows Greater Than 10.0 Feet per Second.** Assuming pipes are flowing full, some slopes produce flows which are greater than 10 feet per second. These locations are listed in the table below. Calculations are attached.

Table 8 - Flows Greater Than 10 Feet per Second

Line	*Profile Sheet*	*Station to Station*	*FPS*	*% Slope*	*Erosion/Shock Protection*

33. Assuming pipes are flowing full, where flows are ≥ 10 feet per second, the provisions noted below have been made to protect against pipe displacement by erosion and/or shock under 30 TAC §217.53(l)(2)(B).

☐ Concrete encasement shown on appropriate Plan and Profile sheets for the locations listed in the table above.
☐ Steel-reinforced, anchored concrete baffles/retards placed every 50 feet shown on appropriate Plan and Profile sheets for the locations listed in the table above.
☒ N/A

Administrative Information

34. ☒ The final plans and technical specifications are submitted for TCEQ review. Each sheet of the construction plans and specifications are dated, signed, and sealed by the Texas Licensed Professional Engineer responsible for the design on each sheet.

35. ☒ Standard details are shown on the detail sheets, which are dated, signed, and sealed by the Texas Licensed Professional Engineer, as listed in the table below:

Table 9 - Standard Details

Standard Details	*Shown on Sheet*
Lateral stub-out marking **[Required]**	16 of 46
Manhole, showing inverts comply with 30 TAC §217.55(l)(2) **[Required]**	16 of 46
Alternate method of joining lateral to existing SCS line for potential future connections **[Required]**	16 of 46
Typical trench cross-sections **[Required]**	27 of 46
Bolted manholes **[Required]**	29 of 46
Sewer Service lateral standard details **[Required]**	29 of 46
Clean-out at end of line **[Required, if used]**	N/A of
Baffles or concrete encasement for shock/erosion protection **[Required, if flow velocity of any section of pipe >10 fps]**	N/A of
Detail showing Wastewater Line/Water Line Crossing **[Required, if crossings are proposed]**	N/A of
Mandrel detail or specifications showing compliance with 30 TAC §217.57(b) and (c) **[Required, if Flexible Pipe is used]**	N/A of

Standard Details	*Shown on Sheet*
Drop manholes **[Required, if a pipe entering a manhole is more than 24 inches above manhole invert]**	17 of 46

36. [X] All organized sewage collection system general construction notes (TCEQ-0596) are included on the construction plans for this sewage collection system.

37. [X] All proposed sewer lines will be sufficiently surveyed/staked to allow an assessment prior to TCEQ executive director approval. If the alignments of the proposed sewer lines are not walkable on that date, the application will be deemed incomplete and returned.

    [ ] Survey staking was completed on this date: _____

38. [X] 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.

39. [X] Any modification of this SCS application will require TCEQ approval, prior to construction, and may require submission of a revised application, with appropriate fees.

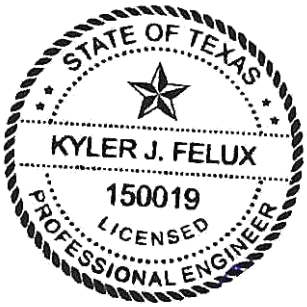
Signature

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 **Organized Sewage Collection System Application** is hereby submitted for TCEQ review and executive director approval. The system was designed in accordance with the requirements of 30 TAC §213.5(c) and 30 TAC §217 and prepared by:

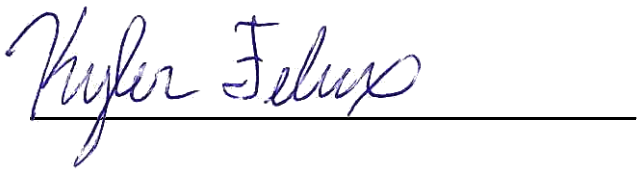
Print Name of Licensed Professional Engineer: Kyler Felux

Date: 11/3/2025

Place engineer's seal here:



Signature of Licensed Professional Engineer:



Appendix A-Flow Velocity Table

Flow Velocity (Flowing Full) All gravity sewer lines on the Edwards Aquifer Recharge Zone shall be designed and constructed with hydraulic slopes sufficient to give a velocity when flowing full of not less than 2.0 feet per second, and not greater than 10 feet per second. The grades shown in the following table are based on Manning's formula and an n factor of 0.013 and shall be the minimum and maximum acceptable slopes unless provisions are made otherwise.

Table 10 - Slope Velocity

Pipe Diameter(Inches)	*% Slope required for minimum flow velocity of 2.0 fps*	*% Slope which produces flow velocity of 10.0 fps*
6	0.50	12.35
8	0.33	8.40
10	0.25	6.23
12	0.20	4.88
15	0.15	3.62
18	0.11	2.83
21	0.09	2.30
24	0.08	1.93
27	0.06	1.65
30	0.055	1.43
33	0.05	1.26
36	0.045	1.12
39	0.04	1.01
>39	*	*

**For lines larger than 39 inches in diameter, the slope may be determined by Manning's formula (as shown below) to maintain a minimum velocity greater than 2.0 feet per second when flowing full and a maximum velocity less than 10 feet per second when flowing full.*

$$v = \frac{1.49}{n} \times R_h^{0.67} \times \sqrt{S}$$

Figure 1 - Manning's Formula

Where:

v = velocity (ft/sec)
n = Manning's roughness coefficient (0.013)
Rh = hydraulic radius (ft)
S = slope (ft/ft)

Organized Sewage Collection System Application

Attachment A

SCS Engineering Design Report

See the attached approved SAWS USA and construction plans of the Utility Design.

Engineering Report

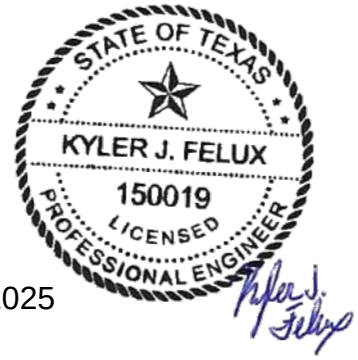
For

Hope Church Subdivision
4545 N Loop 1604 W, San Antonio, TX 78249
Plat No. 18-90046

Utility Service Agreement for
Water and Sanitary Sewer Service

City of San Antonio, Texas

Prepared for
Hope Center Church



7-23-2025

May 2025
RTC1: June 2025

FELUX ENGINEERING

Firm Number 25020

Table of Contents

INTRODUCTION

The purpose of this Engineering Report is to obtain a Utility Services Agreement from the San Antonio Water System (SAWS) for proposed water and sanitary sewer facilities to serve Hope Church Subdivision. The tract is 8.499 acres and located at 4545 N Loop 1604 W, San Antonio, Texas 78249. See Appendix A "Location Map". This tract is within the Edwards Aquifer Recharge Zone and lies within the Olmos Creek – San Antonio River Watershed.

Water Service Area: The Site is within the SAWS Middle Water Service Area. See Appendix B "SAWS Water & Sewer Service Areas".

Sewer Service Area: The Site is within the Upper Sewer Service Area. See Appendix B "SAWS Water & Sewer Service Areas".

Existing Development: The tract is currently being used as Hope Center Church with 400 seats and is being served by a 3-inch water meter and an on-site septic system (OSSF).

Proposed Development: The proposed development will add a new building which will add an additional 750 seats, making a total 1,200 seat capacity. It's proposed that the facility with its expansion continues to be served by the existing domestic water service and will convert from being served by OSSF to SAWS sanitary sewer service.

SANITARY SEWER AND WATER CAPACITY CALCULATIONS

Domestic Water Service:
1200 seats x 5 gal/seat = 6,000 gal/day
Water EDU's 6,000 gal/day / 290 gal/day = 21 EDU's (Use existing 4" x 3" domestic meter capacity of 30 EDU's)
No additional Water EDU's need to be requested since the new building will be served by the existing 4" x 3" meter.

Sanitary Sewer Service:
Sewer EDU's 6,000 gal/day / 200 gal/day = 30 EDU's
Proposed to serve the facility is a 6-inch sanitary sewer lateral that will connect to the existing 8" public sanitary sewer main near the south property line.

Irrigation Service:
A 1" Irrigation Meter that connects to the existing 20" Water main is being proposed.
Proposed Irrigation EDU's = 2 EDU's

Fire Water Service:
The existing facility is being served by an 8" fire main with an 8" double check backflow preventer separating the private fire line from the public 20" water main. No change is

proposed for this service. The proposed square footage is 36,125 sf. According to Table B105.2 of the International Fire Code, since the proposed building will have an automatic sprinkler system, the minimum fire flow is 25% of the value in Table B105.2, as shown below.

Fire-Flow Required: 25% of the value shown in B105.1(2) = 687.5 gpm
Note a: The reduced fire flow shall be not less than 1,000 gpm.
Fire-Flow Required = 1,000 gpm

Fire code requires the building to be served by one hydrant that is capable of 1,000 gpm at 20 psi. See Table C102.1 and Table B105.1(2) below.

The fire flow demand from the existing facility is 7,265 gpm at 25 psi. Based on the fire flow test performed on the existing site hydrant, adequate flow and pressure are available. See Appendix G – Fire Flow Test.

TABLE C102.1REQUIRED NUMBER AND SPACING OF FIRE HYDRANTS[h]

FIRE-FLOW REQUIREMENT (gpm)	MINIMUM NUMBER OF HYDRANTS	AVERAGE SPACING BETWEEN HYDRANTS[a, b, c, f, g] (feet)	MAXIMUM DISTANCE FROM ANY POINT ON STREET OR ROAD FRONTAGE TO A HYDRANT[d, f, g]
1,750 or less	1	500	250
1,751–2,250	2	450	225
2,251–2,750	3	450	225
2,751–3,250	3	400	225
3,251–4,000	4	350	210

TABLE B105.1(2)REFERENCE TABLE FOR TABLES B105.1(1) AND B105.2

FIRE-FLOW CALCULATION AREA (square feet)					FIRE FLOW (gallons per minute)[b]	FLOW DURATION (hours)
Type IA and IB[a]	Type IIA and IIIA[a]	Type IV and V-A[a]	Type IIB and IIIB[a]	Type V-B[a]		
0–22,700	0–12,700	0–8,200	0–5,900	0–3,600	1,500	2
22,701–30,200	12,701–17,000	8,201–10,900	5,901–7,900	3,601–4,800	1,750	
30,201–38,700	17,001–21,800	10,901–12,900	7,901–9,800	4,801–6,200	2,000	
38,701–48,300	21,801–24,200	12,901–17,400	9,801–12,600	6,201–7,700	2,250	
48,301–59,000	24,201–33,200	17,401–21,300	12,601–15,400	7,701–9,400	2,500	
59,001–70,900	33,201–39,700	21,301–25,500	15,401–18,400	9,401–11,300	2,750	

TABLE B105.2

REQUIRED FIRE FLOW FOR BUILDINGS OTHER THAN ONE- AND TWO-FAMILY DWELLINGS, GROUP R-3 AND R-4 BUILDINGS AND TOWNHOUSES

AUTOMATIC SPRINKLER SYSTEM (Design Standard)	MINIMUM FIRE FLOW (gallons per minute)	FLOW DURATION (hours)
No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2)
Section 903.3.1.1 of the *International Fire Code*	25% of the value in Table B105.1(2)[a]	Duration in Table B105.1(2) at the reduced flow rate
Section 903.3.1.2 of the *International Fire Code*	25% of the value in Table B105.1(2)[b]	Duration in Table B105.1(2) at the reduced flow rate

LEGAL DESCRIPTION

Lot 19 Hope Center Subdivision Block 1, NCB 17700

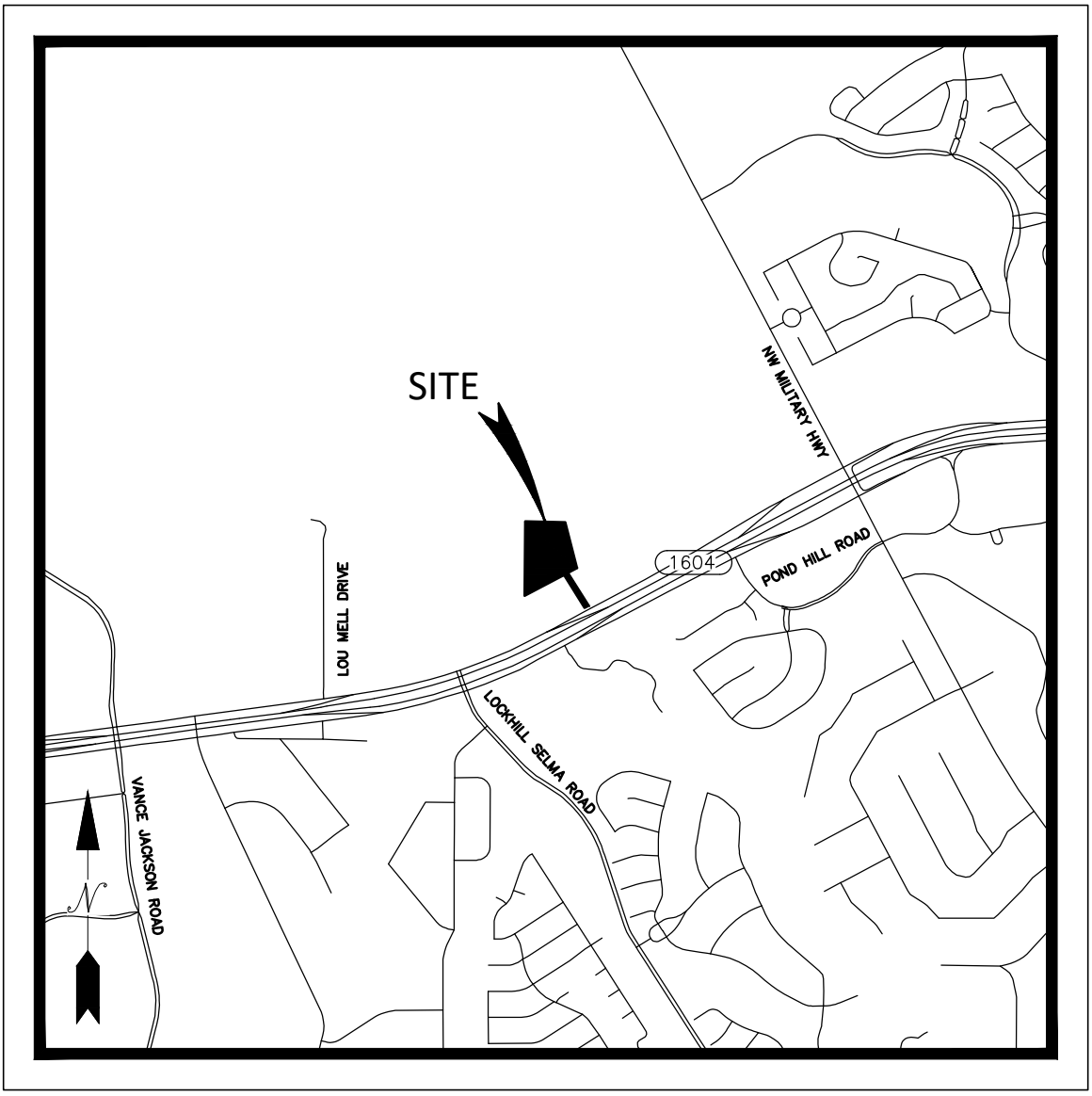
CONTACT INFORMATION

Developer:
Hope Center Church
Attn: Nathan Scoggins
4545 N Loop 1604 W
San Antonio, Texas 78249
Phone: (210)764-3100

Engineer:
Felux Engineering
400 N Storts St.
Poth, Texas 78147
Phone: (210)818-3340
Contact: Kyler Felux

APPENDIX A

LOCATION MAP



SCALE: 1"=2000'

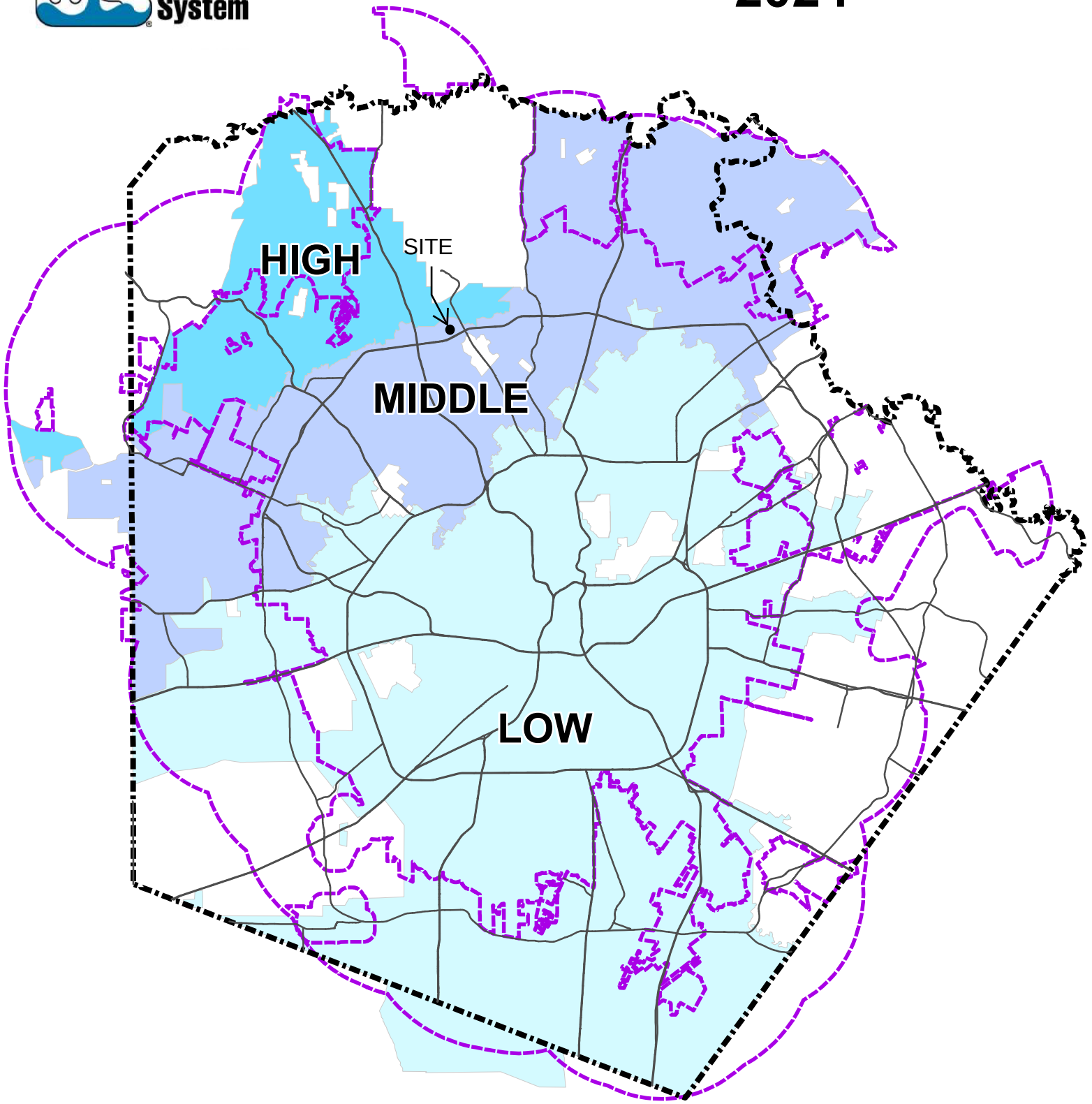
LOCATION MAP

FELUX ENGINEERING

APPENDIX B

SAWS WATER & SEWER SERVICE AREAS

Water Service Area 2024



Bexar County
COSA ETJ
TRANS Bexar Major Roads

SAWS 2024 Water Service Area

HIGH
MIDDLE
LOW

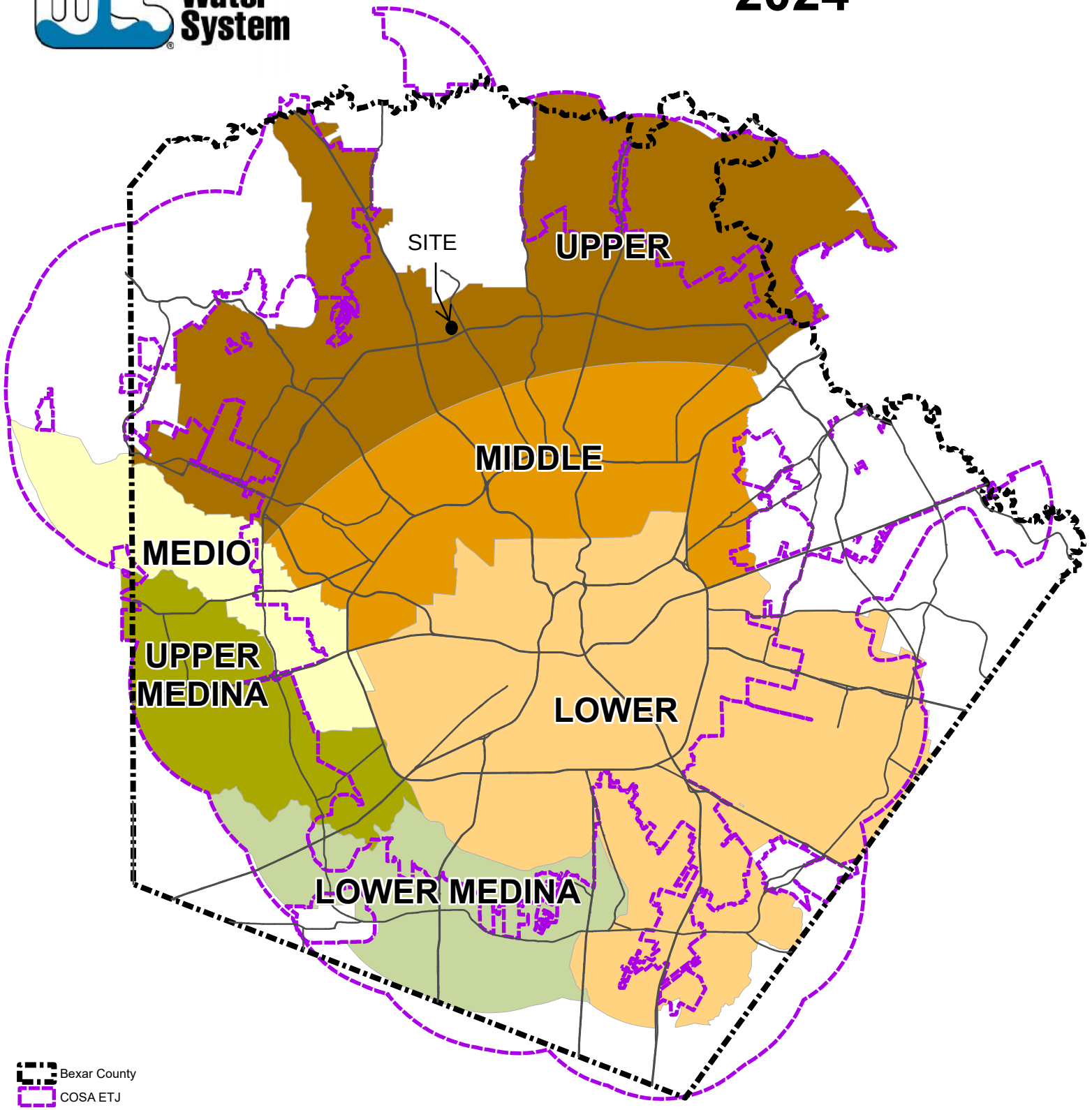
N

Final determination of the service area is dependent on the location of the connection to a specific pressure zone. The location must be approved by SAWS staff.

0 2.5 5 10 Miles

Sewer Service Area 2024

San Antonio Water System



Bexar County
COSA ETJ
TRANS Bexar Major Roads

SAWS 2024 Sewer Service Area

- LOWER
- LOWER MEDINA
- MEDIO
- MIDDLE
- UPPER
- UPPER MEDINA

N

Final determination of the service area is dependent on the location of the connection to a specific pressure zone. The location must be approved by SAWS staff.

0 2.5 5 10 Miles

APPENDIX C

SAWS INFRASTRUCTURE PLANNING EDU CALCULATION SHEET

San Antonio Water System
Infrastructure Planning Equivalent Dwelling Unit (EDU) Calculation Sheet

Subdivision Name: Hope Church Subdivision Plat I.D. # 18-900046

The estimated Average Sewer Flows or Equivalent Dwelling Units that are shown on the SAWS Infrastructure Planning Application for Subdivision Plat Review has been calculated by one of the following methods:

- [X] Equivalent Dwelling Units (EDU) calculation sheet.
- [ ] Engineering Study using actual consumption data from similar facilities based on twelve month data also submitted for review.
- [ ] Calculate estimated sewer discharge utilizing accepted SAWS referenced material.
- [ ] Unknown land use will be calculated at four (4) EDU's per acre.

SAWS has established recommended guidelines to be employed for future discharge calculations which are shown next to the referenced facility. The numbers shown, for each type of development, are based on flow rate table measurements from TCEQ regulations, ASCE Manuals on Engineering Practice, EPA Technology Transfer Manuals, Uniform Plumbing Code fixture unit count and other Wastewater Engineering texts. All applicants will use these guidelines to calculate average daily flows or EDU's.

SAWS will accept sewage flow calculations for any proposed development which is derived through an engineering study of actual measured sewer flows for similar facilities in lieu of the above criteria to determine the total estimated average daily flow or EDU's for the proposed development. The undersigned acknowledges that these EDU calculations represent the intended use of the plat.

Types of Development: Identify all types of development that will be part of the proposed project and complete the related information listed for each to calculate as Estimated Average Daily Flow (EADF) or Equivalent Dwelling Units (EDU's). Note: One (1) EDU equals 200 gallons per day as average sewage flow and 290 gallons per day for average water flow. (Circle type of units used - EADF or EDU's)

Single Family Homes (1 EDU/Lot) [ ] **Manufactured Homes** (1 EDU/Pad) [ ] Number Lots _____ Number Pads _____ **EADF or EDU's _____**

Apartments [ ] **Duplexes** [ ] **Town Homes** [ ] **Condominiums** [ ] (0.5 EDU/Unit) Total Number of Units _____ **EADF or EDU's _____**

Schools: Elementary [ ] (5 gal/student) [ ] Middle (8 gal/student) [ ] High School (10 gal/student) [ ] University/College/Other (10gal/student)

Number of Students _____ Number of Faculty & Staff _____ **EADF or EDU's _____**

Hotel [ ] (100 gal/room) **Motel** [ ] (50 gal/room) Number of Rooms _____ Number of Staff _____ Swimming Pool _____ **EADF or EDU's _____**

Hospital (250 gal/bed) [ ] **Nursing Home** (100 gal/bed) [ ] other _____ Number of Beds _____ Number of Staff _____ **EADF or EDU's _____**

Commercial [ ] **Industrial** [ ] **TBDBE** Type of Product _____ Water Consumption _____ Effluent Discharged _____

Number of Employees _____ Number of Fixtures _____ **EADF or EDU's _____**

(Contact SAWS Wastewater Compliance Division if a portion of the flow is industrial wastewater. Phone 233-3557)

Office Building [ ] (0.035 gal/sf) Building Square Footage _____ Number of employees _____ **EADF or EDU's _____**

Storage [ ] Climate Control (1 EDU) [ ] Office Space less than 2,500 Sq. Ft. (1 EDU) **EADF or EDU's _____**

Warehouse Building Office Space Sq. Ft. _____ (0.07 gal/sf) Storage Space Sq. Ft. _____ (0.007 gal/sf)

Number of Employees _____ (25 gal/employee) **EADF or EDU's _____**

Medical Building [ ] (0.15 gal/sf) Building Square Footage _____ Number of employees _____ **EADF or EDU's _____**

Restaurant [ ] **Cafeteria** [ ] (20 gal/seat) Number of Seats _____ Business Hours _____ **EADF or EDU's _____**

Fast Food [ ] (5 EDU's per facility) Type of Food Served _____ **EADF or EDU's _____**

Health Club [ ] **Recreational Facility** [ ] **TBDBE** Building Square Footage _____ Customers per day _____

Swimming Pool Size _____ Seats in Snack Bar _____ Number of Restrooms _____ Number of Showers _____ **EADF or EDU's _____**

Department Store/Retail Store (0.07 gal/sf) Type of Store _____ Building Sq. Ft. _____ Number of Customers _____ (5gpd/customer)

Number of Employees _____ (25 gpd/employee) Number of Customers per day _____ (5 gpd/customer) **EADF or EDU's _____**

Grocery Store [ ] **Food Store** [ ] **Convenience Stores** [ ] **TBDBE** Building Square Footage _____ Number of Employees _____

Business Hours _____ Number of Customer _____ Fuel Service _____ **EADF or EDU's _____**

Laundries Number of Machines _____ (200 gal/machine) Business Hours _____ **EADF or EDU's _____**

Churches [X] **Auditoriums** [ ] Seating Capacity 1,200 (5 gal/seat) Number Rest Rooms _____ Number of Fixtures _____ **EADF or EDU's _____**

Car Wash [ ] **TBDBE** [ ] Number of Bays _____ (1.5 EDU's per Bay) Number Cars per Day _____ **EADF or EDU's _____**

Automated Car Wash [ ] **TBDBE** Gal per wash _____ Effluent discharged per wash _____ Number Cars per Day _____

(Specifications Required) **EADF or EDU's _____**

Service stations [ ] 1 EDU Gas Station [ ] 2 EDU's Grocery/Takeout Food [ ] 15 EDU's Car Wash **EADF or EDU's _____**

Theatre (1.5 gal/seat) Number of seats _____ Number of Employees _____ **EADF or EDU's _____**

Other Type of Development Proposed Land Use _____ Building Square Footage _____ Number of Employees _____

Number of Customers _____ Number of seats _____ Number of Fixtures _____ Business Hours _____ **EADF or EDU's _____**

Calculation work space: (Please type or print in ink). ***Calculation sheet must be signed and sealed by a Professional Engineer if other form of calculation not shown on this sheet is utilized.***

Proposed: 1,200 seats x 5 gal/seat = 6,000 gal

1 EDU sewer = 200 gal/day
1 EDU water = 290 gal/day

Sewer: 30 EDUs
Water: 21 EDUs

EDU by requested meter size:
Existing 4" x 3" Meter: No Additional Water EDU's need to be requested.
1" Irrigation Meter = 2 EDU's

Additional Information: _____

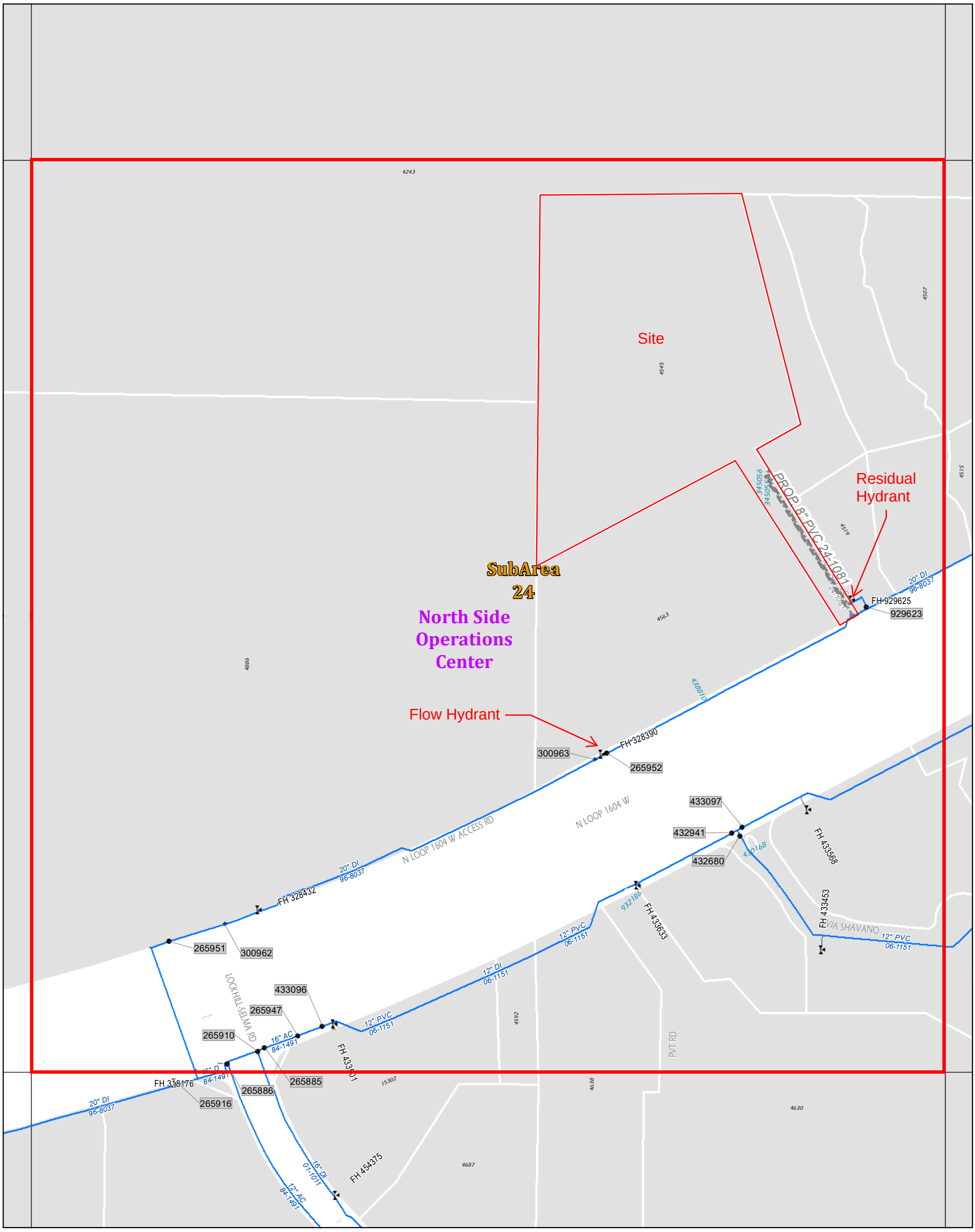
If additional space is needed add a separate sheet, on letterhead, and attach it to this sheet at time of submittal. This form must be completely filled out and submitted with an original signature. No other form will be accepted.

Applicant or Applicant's Agent Signature

6/27/2025
Date

APPENDIX D

SAWS WATER & SEWER BLOCK MAPS



Other
Air Control
CHECK
BYPASS
SWING
DIVISION
MAINLINE
BLOW-OFF
Flush Point
AIR RELEASE
INTERCONNECT
PRESSURE REDUCING
Backflow Control
FIRE HYDRANTS
WATER DISTRIBUTION MAIN
WATER TRANSMISSION
CHILL RETURN MAINS
Service Centers Subareas
FH LATERALS
PROPOSED MAINS
CHILL MAINS
SAWS Service Centers

"SAWS GIS Mapping: A wealth of information at your fingertips"

San Antonio Water System

N
W
E
S

0 100 200
Feet

WATER BLOCK MAP

134640

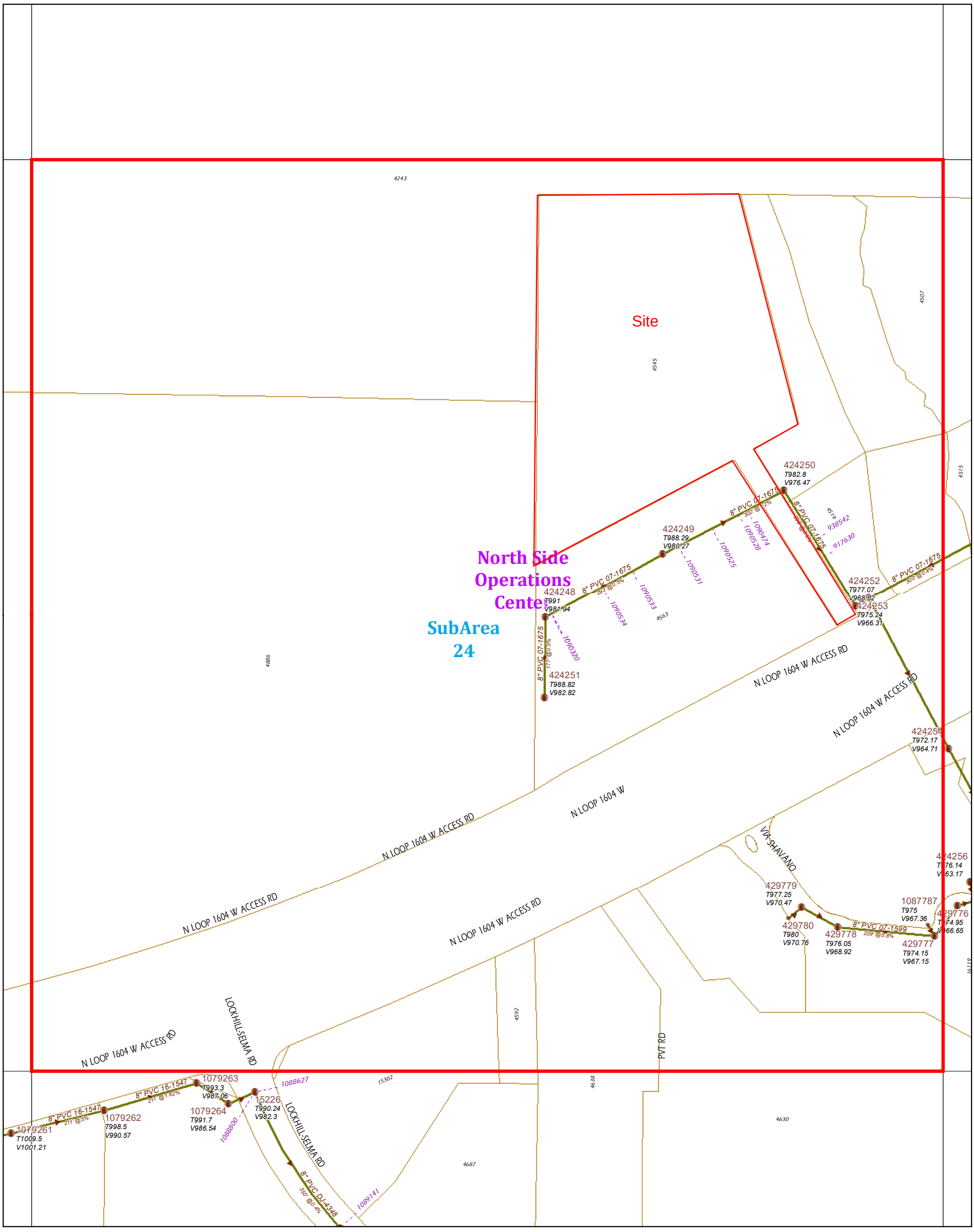
SAN ANTONIO WATER SYSTEM
INFRASTRUCTURE PLANNING
GIS MAPPING DIVISION

Revised Date: Aug 03, 2024

Disclaimer:

This utility map is for reference only. The information may not represent what actually has been constructed. S.A.W.S explicitly disclaims any representation of the accuracy of the information and assumes no liability for any errors, omissions, or inaccuracies in the map regardless of how caused. Field verification should be done as necessary. S.A.W.S. prohibits the reproduction or sale of this document. This utility map may not under any circumstances, be copied, reproduced or published in any form or media, or transferred to another without written permission of the San Antonio Water System.

132 642	134 642	136 642
132 640	134 640	136 640
132 638	134 638	136 638



CLEAN OUT
OTHER
STUB OUT
BREAK NODE
MONOLITHIC
STANDARD
SIPHON INLET
JUNCTION BOX
AIR RELEASE
SIPHON OUTLET
DROP MANHOLE
FLOW METER
FLOW METER w\ SMART COVER
SMART COVER
AIR BYPASS
OUTFALL MAIN
PROP. MAINS
SLUDGE
SIPHON MAIN
SEWER LATERALS
FORCE MAIN
GRAVITY MAIN
PVT MAINS

"SAWS GIS Mapping: A wealth of information at your fingertips"

San Antonio Water System

N
W
E
S

0 100 200
Feet

SEWER BLOCK MAP

134640

SAN ANTONIO WATER SYSTEM
INFRASTRUCTURE PLANNING
GIS MAPPING DIVISION

Revised Date: May 31, 2024

Disclaimer:

132 642	134 642	136 642
132 640	134 640	136 640
132 638	134 638	136 638

SANITARY SEWER

APPENDIX E

PRELIMINARY OPINION OF PROBABLY CONSTRUCTION COST

PRELIMINARY OPINION OF PROBABLY CONSTRUCTION COST

Hope Church Subdivision
4545 N Loop 1604 W, San Antonio, TX 78249
Plat No. 18-90046

8.499 acres

Hope Center Church
City of San Antonio, Texas

Water Distribution

ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
	Service Tap Connection	EA	1	$ 5,000.00	$ 5,000.00
				TOTAL PROBABLE COST WATER DISTRUBUTION SYSTEM:	**$ 5,000.00**

PRELIMINARY OPINION OF PROBABLY CONSTRUCTION COST

Hope Church Subdivision
4545 N Loop 1604 W, San Antonio, TX 78249
Plat No. 18-90046

8.499 acres

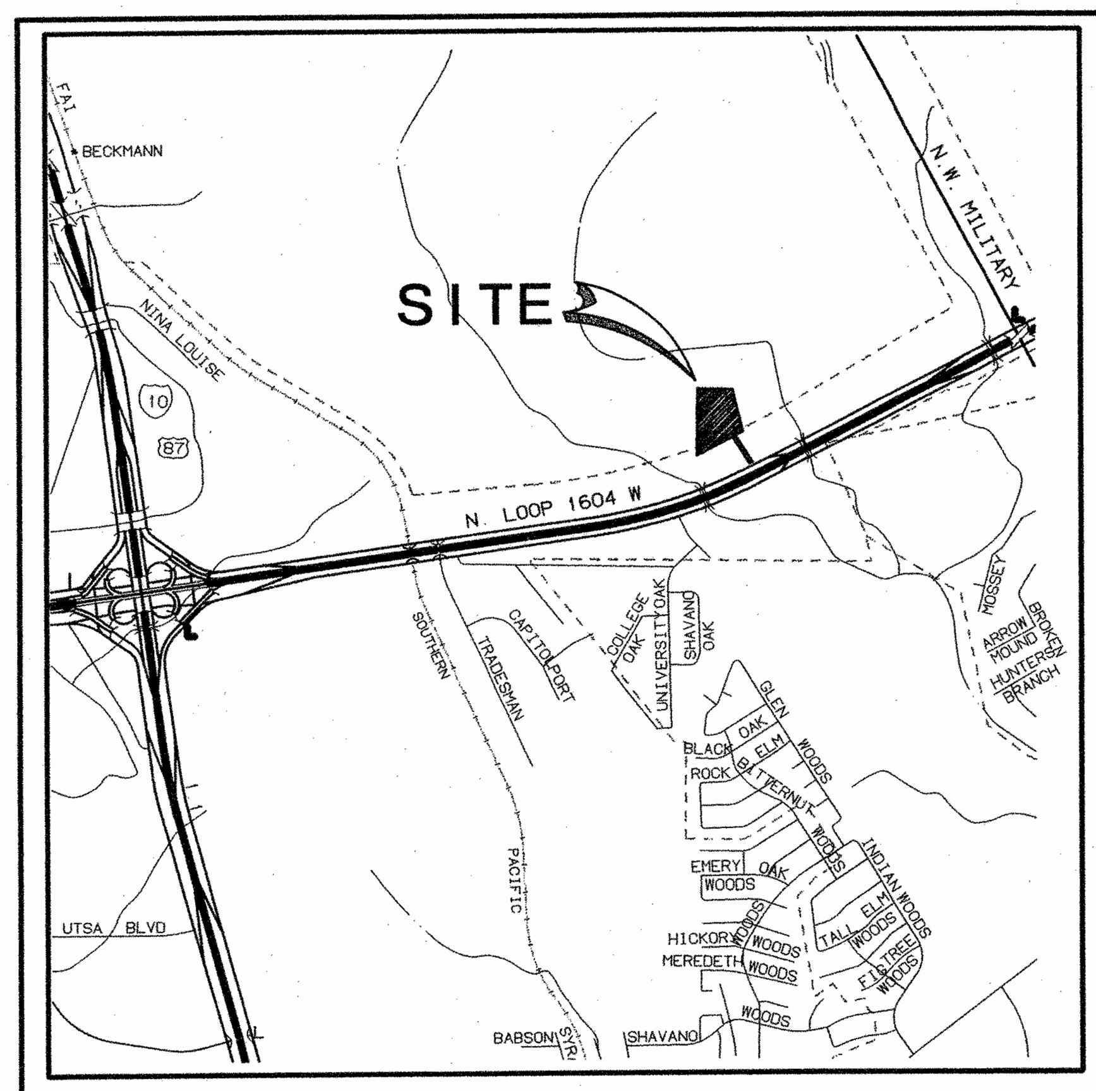
Hope Center Church
City of San Antonio, Texas

Sanitary Sewer Collection System

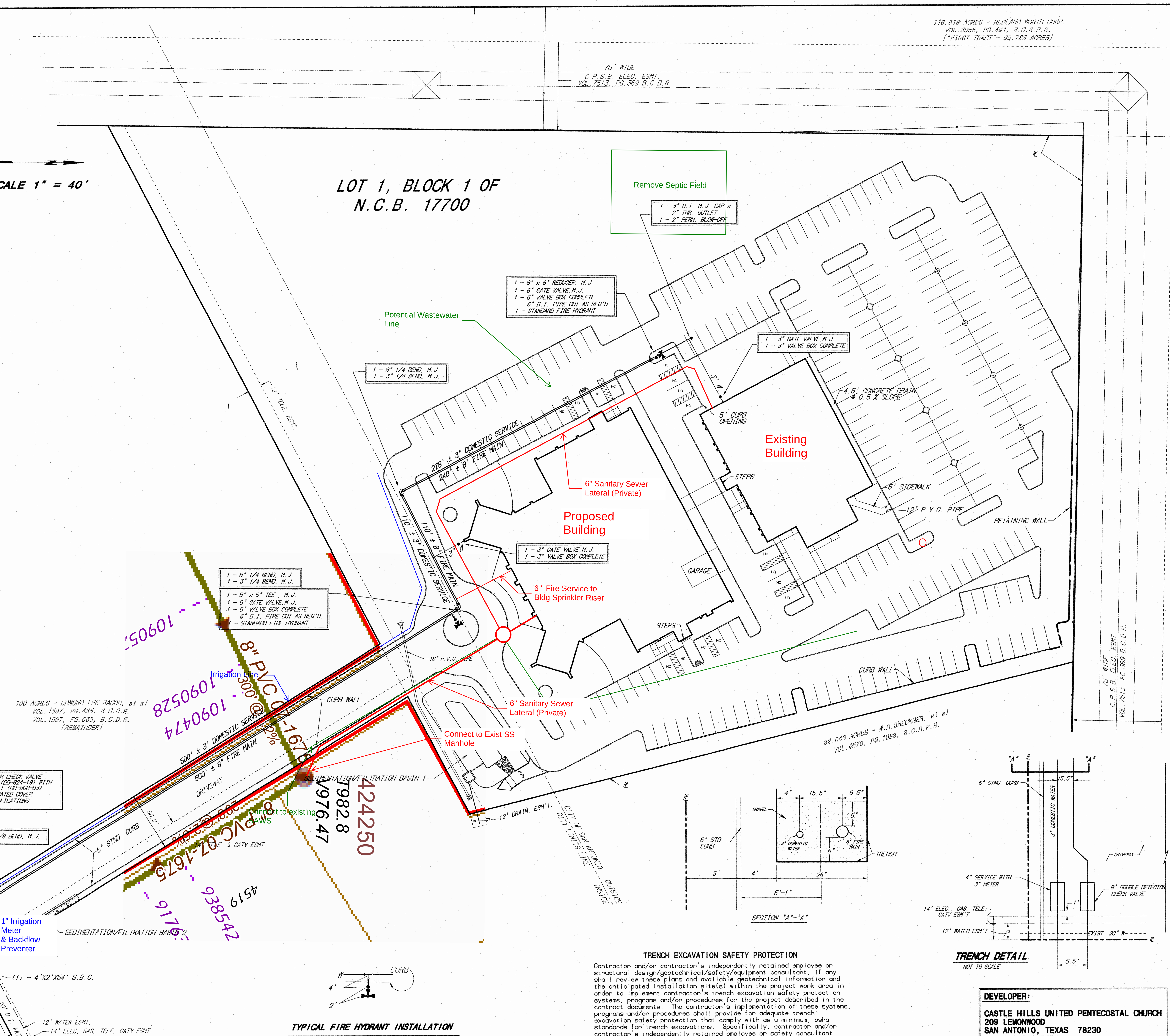
ITEM NO.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
	Service Tap Connection	EA	1	$ 10,000.00	$ 10,000.00
				TOTAL PROBABLE COST SANITARY SEWER SYSTEM:	**$ 10,000.00**

APPENDIX F

SANITARY SEWER AND WATER CONNECTION PLAN



LOCATION MAP


SCALE 1" = 40'
LOT 1, BLOCK 1 OF N.C.B. 17700
119.818 ACRES - REDLAND WORTH CORP. VOL. 3055, PG. 491, B.C.R.P.R. ("FIRST TRACT" - 99.793 ACRES)
75' WIDE C.P.S.B. ELEC. ESMT VOL. 7513, PG. 369 B.C.D.R.
Remove Septic Field
1 - 3" D.I. M.J. CAP x 2" THR. OUTLET
1 - 2" PERM. BLOW-OFF
1 - 8" x 6" REDUCER, M.J.
1 - 6" GATE VALVE, M.J.
1 - 6" VALVE BOX COMPLETE
6" D.I. PIPE CUT AS REQ'D.
1 - STANDARD FIRE HYDRANT
Potential Wastewater Line
1 - 3" GATE VALVE, M.J.
1 - 3" VALVE BOX COMPLETE
1 - 8" 1/4 BEND, M.J.
1 - 3" 1/4 BEND, M.J.
278' ± 3" DOMESTIC SERVICE
248' ± 8" FIRE MAIN
4.5' CONCRETE DRAIN @ 0.5 % SLOPE
5' CURB OPENING
Existing Building
6" Sanitary Sewer Lateral (Private)
Proposed Building
STEPS
5' SIDEWALK
12" P.V.C. PIPE
RETAINING WALL
110' ± 8" FIRE MAIN
110' ± 3" DOMESTIC SERVICE
12' TELE. ESMT
6 " Fire Service to Bldg Sprinkler Riser
GARAGE
STEPS
CURB WALL
18" P.V.C. PIPE
6" Sanitary Sewer Lateral (Private)
Connect to Exist SS Manhole
32.048 ACRES - W.R.SNECKNER, et al VOL. 4579, PG. 1083, B.C.R.P.R.
100 ACRES - EDMUND LEE BACON, et al VOL. 1587, PG. 435, B.C.D.R. VOL. 1597, PG. 585, B.C.D.R. (REMAINDER)
1 - 8" 1/4 BEND, M.J.
1 - 3" 1/4 BEND, M.J.
1 - 8" x 6" TEE, M.J.
1 - 6" GATE VALVE, M.J.
1 - 6" VALVE BOX COMPLETE
6" D.I. PIPE CUT AS REQ'D.
1 - STANDARD FIRE HYDRANT
Irrigation Line
CURB WALL
500' ± 3" DOMESTIC SERVICE
500' ± 8" FIRE MAIN
DRIVEWAY
SEDIMENTATION/FILTRATION BASIN 1
Connect to existing SAWS
8" DOUBLE DETECTOR CHECK VALVE INSTALLATION (OD-624-19) WITH CONCRETE VAULT (OD-608-03) INSTALL TRAFFIC RATED COVER AS PER SAWS SPECIFICATIONS
1 - 4" SERVICE WITH 3" METER (OD-624-06, SHEET 2 OF 2) WITH CONCRETE VAULT (OD-608-02) INSTALL TRAFFIC RATED COVER AS PER SAWS SPECIFICATIONS
2 - 8" 1/8 BEND, M.J.
6" STND. CURB
TELE. & CATV ESMT
1 - 8" TAPPING SLEEVE, M.J.
1 - 8" TAPPING VALVE, M.J.
1" Irrigation Meter & Backflow Preventer
SEDIMENTATION/FILTRATION BASIN 2
(1) - 4'X2'X54' S.B.C.
12' WATER ESMT.
14' ELEC. GAS, TELE. CATV ESMT
EXIST. 20" D.I. WATER MAIN
F.M. LOOP 1604 (300' R.O.W.)
CONCRETE DRIVEWAY
12' DRAIN. ESM'T.
CITY OF SAN ANTONIO CITY LIMITS LINE
OUTSIDE INSIDE
75' WIDE ELEC. ESMT C.P.S.B. VOL. 7513, PG. 369 B.C.D.R.
8" PVC 07-1675
8" PVC 07-1675
4519
938542
1090528
1090474
1090526
424250
7982.8
7976.47
SECTION "A"-"A"
3" DOMESTIC WATER
8" FIRE MAIN
TRENCH
6" STD. CURB
GRAVEL
TRENCH DETAIL
NOT TO SCALE
6" STND. CURB
3" DOMESTIC WATER
4" SERVICE WITH 3" METER
8" DOUBLE DETECTOR CHECK VALVE
14' ELEC., GAS, TELE. CATV ESM'T
12' WATER ESM'T
EXIST. 20" W
DRIVEWAY
TYPICAL FIRE HYDRANT INSTALLATION
CURB

GENERAL NOTES

1. CONSTRUCTION SHALL CONFORM TO SAN ANTONIO WATER SYSTEM BOARD (S.A.W.S.) SPECIFICATIONS.
2. "CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON PLANS OR NOT."

SAN ANTONIO WATER SYSTEM (WATER)	704-7297
SAN ANTONIO WATER SYSTEM (SEWER)	704-7160
SAN ANTONIO DRAINAGE DEPARTMENT	207-8048
TELEPHONE:	954-4102
GAS:	353-3500
ELECTRIC:	353-3500
CABLE T.V.:	222-9961

3. "CONTRACTOR SHALL NOTIFY AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION:
   A. MR. JEFF MCNEELY, SAN ANTONIO WATER SYSTEM CONSTRUCTION INSPECTION AT 704-7112.
   B. BEXAR COUNTY DEPARTMENT OF PUBLIC WORKS AT 335-6700.
   C. CONTRACTOR SHALL NOTIFY THE CITY OF SAN ANTONIO TRAFFIC ENGINEER AT 207-2076.
   D. CONTRACTOR SHALL NOTIFY THE SAN ANTONIO SIDEWALK & TRENCHING DIVISION AT 207-8170
4. "CONTRACTOR SHALL CHLORINATE NEW MAINS WITH H.T.H.
5. ALL WATER MAINS ARE "ON-SITE" AND SHALL HAVE 4' OF COVER.
6. "CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION."
7. USE DUCTILE IRON FROM EXIST. 20" WATER LINE TO 4" SERVICE WITH 3" METER & 8" DOUBLE DETECTOR CHECK VALVE ONLY. FOR ALL WATER LINE AFTER, USE C-900 PVC.

SEE ARCHITECT, ELECTRICAL ENGINEERING & MECHANICAL ENGINEERING PLANS FOR ELECTRIC, GAS, TELEPHONE & CABLE T.V. LAYOUT

SEWER TO BE PROVIDED BY SEPTIC SYSTEM DESIGNED BY OTHERS

TRENCH EXCAVATION SAFETY PROTECTION

Contractor and/or contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and available geotechnical information and the anticipated installation site(s) within the project work area in order to implement contractor's trench excavation safety protection systems, programs and/or procedures for the project described in the contract documents. The contractor's implementation of these systems, programs and/or procedures shall provide for adequate trench excavation safety protection that comply with as a minimum, osha standards for trench excavations. Specifically, contractor and/or contractor's independently retained employee or safety consultant shall implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

DEVELOPER:
CASTLE HILLS UNITED PENTECOSTAL CHURCH
209 LEMONWOOD
SAN ANTONIO, TEXAS 78230
PH. 210-342-7171

PLAT NO. 990113

No.	Date	REVISIONS	App.
1	08/11/99	REVISE WATER LINE	MSB
2	08/24/99	REVISE WATER LINE TO 8" FIRE & 3" DOMESTIC	MSB

/beco/projects1/Chupc/drawings/ utility_plan 243 25 Aug 1999

DWN: TPL APP: MSB

BROWN ENGINEERING CO.
ENGINEERING CONSULTANTS
1000 CENTRAL PARKWAY N., B-100
SAN ANTONIO, TEXAS 78232
PHONE (210) 494-5511

JOB NO.: 315-002-00 DATE: 06/15/99

Mark S. Burr 8-26-99

CASTLE HILLS UNITED PENTECOSTAL CHURCH
CASTLE HILLS U.P.C. SUBDIVISION
UTILITY CONNECTIONS PLAN

SHEET NO. 8 OF 12

APPENDIX G

FIRE FLOW TEST

14439 NW Military Hwy
Suite 108, #430
San Antonio, Texas 78231

FPCG
Fire Protection Consulting Group, LLC

www.FIREpcg.com
TX PE Firm No. F-15865
Main Office +1 210.858.2389

SAWS Fire Flow Test Form

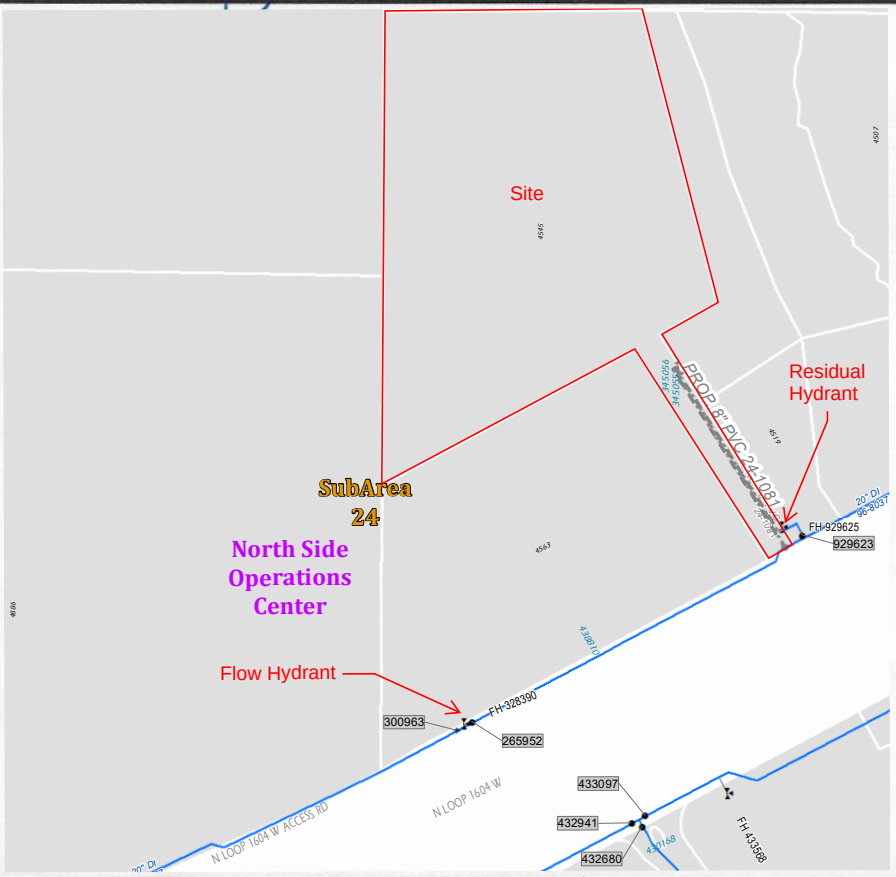
Project: **25-157 Hope Center Church FT**	Flow Hydrant: A	Static/Residual Hydrant: B
City: **San Antonio**	Static Pressure (B):	**81** psi
Date: **4-1-2025**	Residual Pressure (B):	**75** psi
Time: **11:45 am**	Pitot Reading 2.5" Outlet (A-1):	**42** psi
Map #: **134640**	Pitot Reading 2.5" Outlet (A-2):	**42** psi
Location: **4545 N Loop 1604 W**	Flow at Residual Pressure:	**2,175** gpm
Comments:	**Flow at 25 psi:**	**7,265 gpm**
	Coefficient: .8 [.9]	Line Size: **20"**

Conducted By: Michael Pavlovsky of Fire Protection Consulting Group (FPCG)

Signature: M Pavlovsky

Witnessed By: Armando Brosig of SAWS

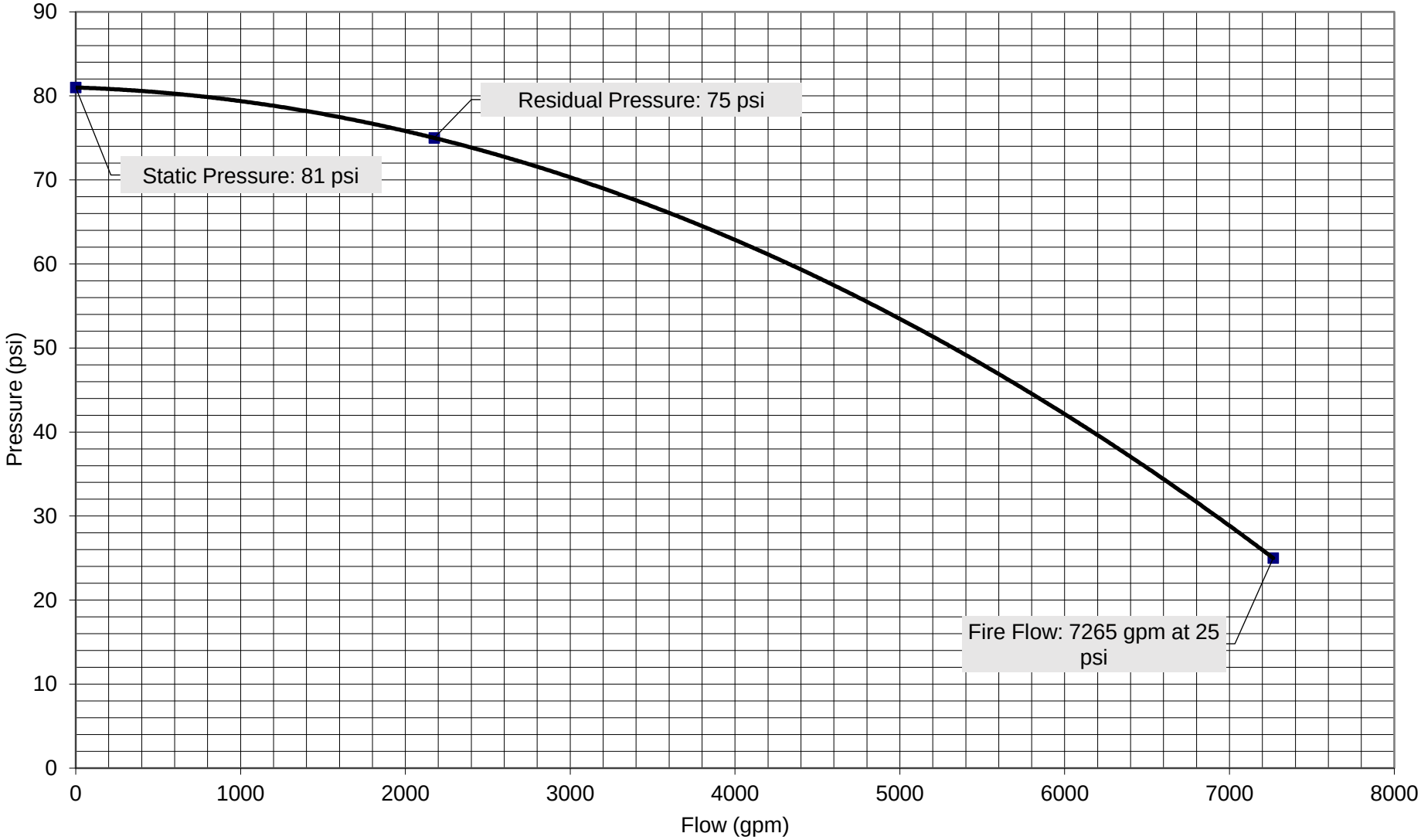
Signature: Armando Brosig



FPCG
Fire Protection Consulting Group, LLC

Project:	25-157	Hope Center Church FT
Date:	4/1/2025	
Static Pressure:	81	psi
Residual Pressure:	75	psi
Residual Flow:	2175	gpm

Michael Pavlovsky
210-859-7778
Mike@firepcg.com
www.firepcg.com



APPENDIX H

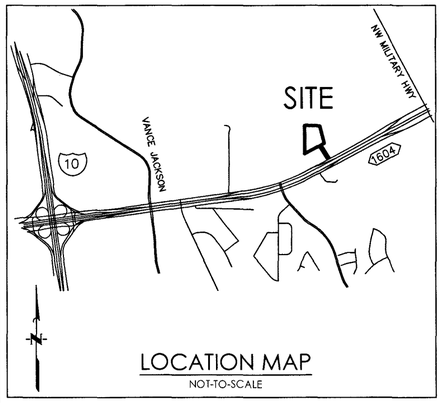
PLAT

PLAT NUMBER 18-900046

PLAT ESTABLISHING
HOPE CHURCH SUBDIVISION

BEING A TOTAL OF 8.499 ACRES

ESTABLISHING LOT 19, BLOCK 1, NEW CITY BLOCK 17700, OUT OF THE COLLINS MCRAE SURVEY NO.391, ABSTRACT 482, COUNTY BLOCK 4782, AND BEING ALL OF THAT CERTAIN CALLED 8.500 ACRE TRACT DESCRIBED IN INSTRUMENT TO THE HOUSE OF PRAYER EVANGELISM CENTER, INC., D/B/A CASTLE HILLS UNITED PENTECOSTAL CHURCH, RECORDED IN VOLUME 8306, PAGE 214, BEXAR COUNTY REAL PROPERTY RECORDS, BEXAR COUNTY, TEXAS



LOCATION MAP
NOT-TO-SCALE

GENERAL NOTES:
1. ALL EXTERIOR BOUNDARY LINES OF THIS SUBDIVISION WHICH ARE COMMON WITH THE ORIGINAL SURVEY BOUNDARY ARE MONUMENTED ON THE GROUND WITH 1/2"-DIAMETER IRON RODS (UNLESS OTHERWISE NOTED).
2. THE BEARINGS & DISTANCES SHOWN HEREON ARE TEXAS STATE PLANE COORDINATE SYSTEM GRID, SOUTH CENTRAL ZONE, AS ESTABLISHED BY GLOBAL POSITIONING SYSTEM. THE GRID TO SURFACE SCALE FACTOR IS 1.00016994.
3. NORTH AND EAST COORDINATES SHOWN HEREON ARE TEXAS STATE PLANE, SOUTH CENTRAL ZONE AS ESTABLISHED BY GLOBAL POSITIONING SYSTEM.
4. THE GRAPHIC LOCATION OF THE SUBJECT TRACT SUPERIMPOSED UPON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 48029C0230G, EFFECTIVE DATE SEPTEMBER 29, 2010, AMENDED BY LOMR 14-06-3621P, EFFECTIVE DATE FEBRUARY 12, 2015, INDICATES THAT THE SUBJECT TRACT IS LOCATED WITHIN ZONE "X" (UN-SHADED) WHICH IS DEFINED BY FEMA AS "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN," COMMONLY KNOWN AS THE 500-YEAR FLOODPLAIN. ZONE "X" (UN-SHADED) IS OUTSIDE OF ANY FEMA ESTABLISHED FLOOD HAZARD ZONE. THIS STATEMENT DOES NOT IMPLY THAT ANY PORTION OF THE SUBJECT TRACT IS TOTALLY FREE OF POTENTIAL FLOOD HAZARD. LOCALIZED FLOODING CAN OCCUR DUE TO NATURAL AND/OR MAN-MADE INFLUENCES. THIS FLOOD STATEMENT SHALL NOT CREATE ANY LIABILITY ON THE PART OF JONES|CARTER OR THE UNDERSIGNED.
5. SETBACKS IMPOSED ON THIS PLAT ARE AT THE DISCRETION OF THE DEVELOPER OR BEXAR COUNTY AND ARE NOT SUBJECT TO ENFORCEMENT BY THE CITY OF SAN ANTONIO.
6. BEXAR COUNTY WILL NOT MAINTAIN PRIVATE STREETS, DRAINS, PARKS, LANDSCAPE BUFFERS, EASEMENTS OF ANY KIND, GREENBELTS, OPEN SPACES, TRAFFIC ISLANDS, ETC. LOT OWNER, THEIR SUCCESSOR OR ASSIGNS SHALL BE RESPONSIBLE FOR MAINTAINING THESE AREAS.

FIRE:
INGRESS AND EGRESS SHALL BE PROVIDED BETWEEN ALL ADJACENT LOTS FOR ADEQUATE FIRE DEPARTMENT VEHICLE ACCESS PER THE CITY OF SAN ANTONIO FIRE PREVENTION CODE. ANY CROSS ACCESS SHALL NOT BE BLOCKED NOR MAY THIS NOTE BE REMOVED FROM THE PLAT WITHOUT WRITTEN PERMISSION FROM THE CITY OF SAN ANTONIO DIRECTOR OF DEVELOPMENT SERVICES AND THE SAN ANTONIO FIRE DEPARTMENT FIRE MARSHAL.

SAWS UTILITY NOTES:
1. IMPACT FEE PAYMENT NOTE: WATER AND/OR WASTEWATER IMPACT FEES WERE NOT PAID AT THE TIME OF PLATTING FOR THIS PLAT. ALL IMPACT FEES MUST BE PAID PRIOR TO THE WATER METER SET AND/OR THE WASTEWATER SERVICE CONNECTION.
2. WASTEWATER EDU NOTE: THE NUMBER OF WASTEWATER EQUIVALENT DWELLING UNITS (EDUs) PAID FOR THIS SUBDIVISION PLAT ARE KEPT ON FILE AT THE SAN ANTONIO WATER SYSTEM UNDER THE PLAT NUMBER ISSUED BY THE DEVELOPMENT SERVICES DEPARTMENT.
3. SAWS DEDICATION: THE OWNER DEDICATES THE SANITARY SEWER AND/OR WATER MAINS TO THE SAN ANTONIO WATER SYSTEM UPON COMPLETION BY THE DEVELOPER AND ACCEPTANCE BY THE SAN ANTONIO WATER SYSTEM.

SAWS HIGH PRESSURE NOTE:
A PORTION OF THE TRACT IS BELOW THE GROUND ELEVATION OF 985 FEET WHERE THE STATIC PRESSURE WILL NORMALLY EXCEED 80 PSI. AT ALL SUCH LOCATIONS, THE DEVELOPER OR BUILDER SHALL INSTALL AT EACH LOT, ON THE CUSTOMER'S SIDE OF THE METER, AN APPROVED TYPE PRESSURE REGULATOR IN CONFORMANCE WITH THE PLUMBING CODE OF THE CITY OF SAN ANTONIO.

SAWS AQUIFER NOTE:
THIS SUBDIVISION IS WITHIN THE EDWARDS AQUIFER RECHARGE ZONE. DEVELOPMENT WITHIN THIS SUBDIVISION IS SUBJECT TO CHAPTER 34, ARTICLE VI, DIVISION 6 OF THE SAN ANTONIO CITY CODE ENTITLED "AQUIFER RECHARGE ZONE AND WATERSHED PROTECTION" OR LATEST REVISIONS THEREOF. ANY REGULATED ACTIVITY MUST COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS RELATING TO DEVELOPMENT WITHIN THE EDWARDS AQUIFER RECHARGE ZONE.

DRAINAGE NOTES:
1. THE MAINTENANCE OF ALL PRIVATE STREETS, OPEN SPACE, GREENBELTS, PARKS, TREE SAVE AREAS, INCLUDING LOT 19, BLOCK 1, CB OR NCB 17700, DRAINAGE EASEMENTS AND EASEMENTS OF ANY OTHER NATURE WITHIN THIS SUBDIVISION SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNERS, OR THE PROPERTY OWNERS' ASSOCIATION, OR ITS SUCCESSORS OR ASSIGNS AND NOT THE RESPONSIBILITY OF THE CITY OF SAN ANTONIO OR BEXAR COUNTY.
2. NO PORTION OF THE FEMA 1% ANNUAL CHANCE (100-YEAR) FLOODPLAIN EXISTS WITHIN THIS PLAT AS VERIFIED BY FEMA MAP PANEL: 48029C0230G, EFFECTIVE 09/29/2010. FLOODPLAIN INFORMATION IS SUBJECT TO CHANGE AS A RESULT OF FUTURE FEMA MAP REVISIONS AND/OR AMENDMENTS.
3. NO STRUCTURE, FENCES, WALLS OR OTHER OBSTRUCTIONS THAT IMPEDE DRAINAGE SHALL BE PLACED WITHIN THE LIMITS OF THE DRAINAGE EASEMENTS SHOWN ON THIS PLAT. NO LANDSCAPING OR OTHER TYPE OF MODIFICATIONS, WHICH ALTER THE CROSS-SECTIONS OF THE DRAINAGE EASEMENTS, AS APPROVED, SHALL BE ALLOWED WITHOUT THE APPROVAL OF THE DIRECTOR OF TCI OR DIRECTOR OF PUBLIC WORKS. THE CITY OF SAN ANTONIO AND BEXAR COUNTY SHALL HAVE THE RIGHT OF INGRESS AND EGRESS OVER THE GRANTOR'S ADJACENT PROPERTY TO REMOVE ANY IMPEDING OBSTRUCTIONS PLACED WITHIN THE LIMITS OF SAID DRAINAGE EASEMENT AND TO MAKE ANY MODIFICATIONS OR IMPROVEMENTS WITHIN SAID DRAINAGE EASEMENTS.
4. FINISHED FLOOR ELEVATIONS FOR NON-RESIDENTIAL STRUCTURES SHALL BE NO LESS THAN ONE FOOT ABOVE THE BASE FLOOD ELEVATION OF THE REGULATORY FLOODPLAIN (CITY OF SAN ANTONIO ULTIMATE DEVELOPMENT FLOODPLAIN). THE LOWEST ADJACENT GRADE SHALL BE AT OR ABOVE THE BASE FLOOD ELEVATION. FLOOD-PROOFING MAY BE ALLOWED IF ELEVATING THE STRUCTURE IS NOT FEASIBLE, IF APPROVED BY THE FLOODPLAIN ADMINISTRATOR OF THE CITY OF SAN ANTONIO.

TXDOT NOTES:
1. FOR RESIDENTIAL DEVELOPMENT DIRECTLY ADJACENT TO STATE RIGHT-OF-WAY, THE DEVELOPER SHALL BE RESPONSIBLE FOR ADEQUATE SETBACK AND/OR SOUND ABATEMENT MEASURES FOR FUTURE NOISE MITIGATION.
2. OWNER/DEVELOPER IS RESPONSIBLE FOR PREVENTING ANY ADVERSE IMPACT TO THE EXISTING DRAINAGE SYSTEM WITHIN THE HIGHWAY RIGHT-OF-WAY.
3. MAXIMUM ACCESS POINTS TO STATE HIGHWAY FROM THIS PROPERTY WILL BE REGULATED AS DIRECTED BY "ACCESS MANAGEMENT MANUAL". THIS PROPERTY IS ELIGIBLE FOR A MAXIMUM COMBINED TOTAL OF ONE (1) EXISTING ACCESS POINT ALONG LP 1604 BASED ON OVERALL PLATTED HIGHWAY FRONTAGE OF S0.26'.
4. IF SIDEWALKS ARE REQUIRED BY APPROPRIATE CITY ORDINANCE, A SIDEWALK PERMIT MUST BE APPROVED BY TXDOT PRIOR TO CONSTRUCTION WITHIN STATE RIGHT-OF-WAY. LOCATIONS OF SIDEWALKS WITHIN STATE RIGHT OF WAY SHALL BE DIRECTED BY TXDOT.
5. ANY TRAFFIC CONTROL MEASURES (LEFT TURN LANE, RIGHT TURN LANE SIGNAL, ETC.) FOR ANY ACCESS FRONTING A STATE MAINTAINED ROADWAY SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/OWNER.

LEGEND

BCDR ----------	BEXAR COUNTY DEED RECORDS
BCRPR ----------	BEXAR COUNTY REAL PROPERTY RECORDS
BCDPR ----------	BEXAR COUNTY DEED AND PLAT RECORDS
ESMT ----------	EASEMENT
VOL. ----------	VOLUME
PG. ----------	PAGE NUMBER
ELEC ----------	ELECTRIC
TELE ----------	TELEPHONE
CATV ----------	CABLE TV
----------	FLOOD ZONE
----------	EASEMENT LINES
————	SUBJECT PROPERTY LINE
————	OTHER PROPERTY LINE
——— ℄ ———	ROW CENTERLINE
•	1/2" IRON ROD
■	PK NAIL

TCEQ- EDWARDS AQUIFER RECHARGE ZONE NOTE:

THIS SUBDIVISION IS WITHIN THE EDWARDS RECHARGE ZONE. DEVELOPMENT WITHIN THIS SUBDIVISION IS SUBJECT TO CHAPTER 34, ARTICLE VI, DIVISION 6 OF THE SAN ANTONIO CITY CODE ENTITLED "AQUIFER RECHARGE ZONE AND WATERSHED PROTECTION," OR LATEST REVISIONS THEREOF.
NO PERSON SHALL COMMENCE THE CONSTRUCTION OF ANY REGULATED ACTIVITY UNTIL AN EDWARDS AQUIFER PROTECTION PLAN ("WATER POLLUTION ABATEMENT PLAN" (WPAP)) OR MODIFICATION TO AN APPROVED PLAN AS REQUIRED BY 30 TAC §213.S OF THE TEXAS ADMINISTRATIVE CODE, OR LATEST REVISION THEREOF, HAS BEEN FILED WITH THE APPROPRIATE REGIONAL TCEQ OFFICE, AND THE APPLICATION HAS BEEN APPROVED BY THE EXECUTIVE DIRECTOR OF THE TCEQ.

CPS/SAWS/COSA UTILITY NOTES:

1. THE CITY OF SAN ANTONIO AS PART OF ITS ELECTRIC, GAS, WATER, AND WASTEWATER SYSTEMS - CITY PUBLIC SERVICE BOARD (CPS ENERGY) AND SAN ANTONIO WATER SYSTEM (SAWS) - IS HEREBY DEDICATED EASEMENTS AND RIGHTS-OF-WAY FOR UTILITY, TRANSMISSION AND DISTRIBUTION INFRASTRUCTURE AND SERVICE FACILITIES IN THE AREAS DESIGNATED ON THIS PLAT AS "ELECTRIC EASEMENT," "ANCHOR EASEMENT," "SERVICE EASEMENT," "OVERHANG EASEMENT," "UTILITY EASEMENT," "GAS EASEMENT," "TRANSFORMER EASEMENT," "WATER EASEMENT," "SANITARY SEWER EASEMENT" AND/OR "RECYCLED WATER EASEMENT" FOR THE PURPOSE OF INSTALLING, CONSTRUCTING, RECONSTRUCTING, MAINTAINING, REMOVING, INSPECTING, PATROLLING, AND ERECTING UTILITY INFRASTRUCTURE AND SERVICE FACILITIES FOR THE REASONS DESCRIBED ABOVE. CPS ENERGY AND SAWS SHALL ALSO HAVE THE RIGHT TO RELOCATE SAID INFRASTRUCTURE AND SERVICE FACILITIES WITHIN EASEMENT AND RIGHT-OF-WAY AREAS, TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS OVER GRANTOR'S ADJACENT LANDS FOR THE PURPOSE OF ACCESSING SUCH INFRASTRUCTURE AND SERVICE FACILITIES AND THE RIGHT TO REMOVE FROM SAID LANDS ALL TREES OR PARTS THEREOF, OR OTHER OBSTRUCTIONS WHICH ENDANGER OR MAY INTERFERE WITH THE EFFICIENCY OF WATER, SEWER, GAS, AND/OR ELECTRIC INFRASTRUCTURE AND SERVICE FACILITIES. NO BUILDINGS, STRUCTURES, CONCRETE SLABS, OR WALLS WILL BE PLACED WITHIN EASEMENT AREAS WITHOUT AN ENCROACHMENT AGREEMENT WITH THE RESPECTIVE UTILITY.
2. ANY CPS ENERGY OR SAWS MONETARY LOSS RESULTING FROM MODIFICATIONS REQUIRED OF CPS ENERGY OR SAWS INFRASTRUCTURE AND SERVICE FACILITIES, LOCATED WITHIN SAID EASEMENTS, DUE TO GRADE CHANGES OR GROUND ELEVATION ALTERATIONS SHALL BE CHARGED TO THE PERSON OR PERSONS DEEMED RESPONSIBLE FOR SAID GRADE CHANGES OR GROUND ELEVATION ALTERATIONS.
3. THIS PLAT DOES NOT AMEND, ALTER, RELEASE OR OTHERWISE AFFECT ANY EXISTING ELECTRIC, GAS, WATER, SEWER, DRAINAGE, TELEPHONE, CABLE TV EASEMENTS OR ANY OTHER EASEMENTS FOR UTILITIES UNLESS THE CHANGES TO SUCH EASEMENTS ARE DESCRIBED HEREON.

STATE OF TEXAS
COUNTY OF BEXAR

I HEREBY CERTIFY THAT PROPER ENGINEERING CONSIDERATION HAS BEEN GIVEN THIS PLAT TO THE MATTERS OF STREETS, LOTS AND DRAINAGE LAYOUT. TO THE BEST OF MY KNOWLEDGE THIS PLAT CONFORMS TO ALL REQUIREMENTS OF THE UNIFIED DEVELOPMENT CODE, EXCEPT FOR THOSE VARIANCES GRANTED BY THE SAN ANTONIO PLANNING COMMISSION.

LICENSED PROFESSIONAL ENGINEER

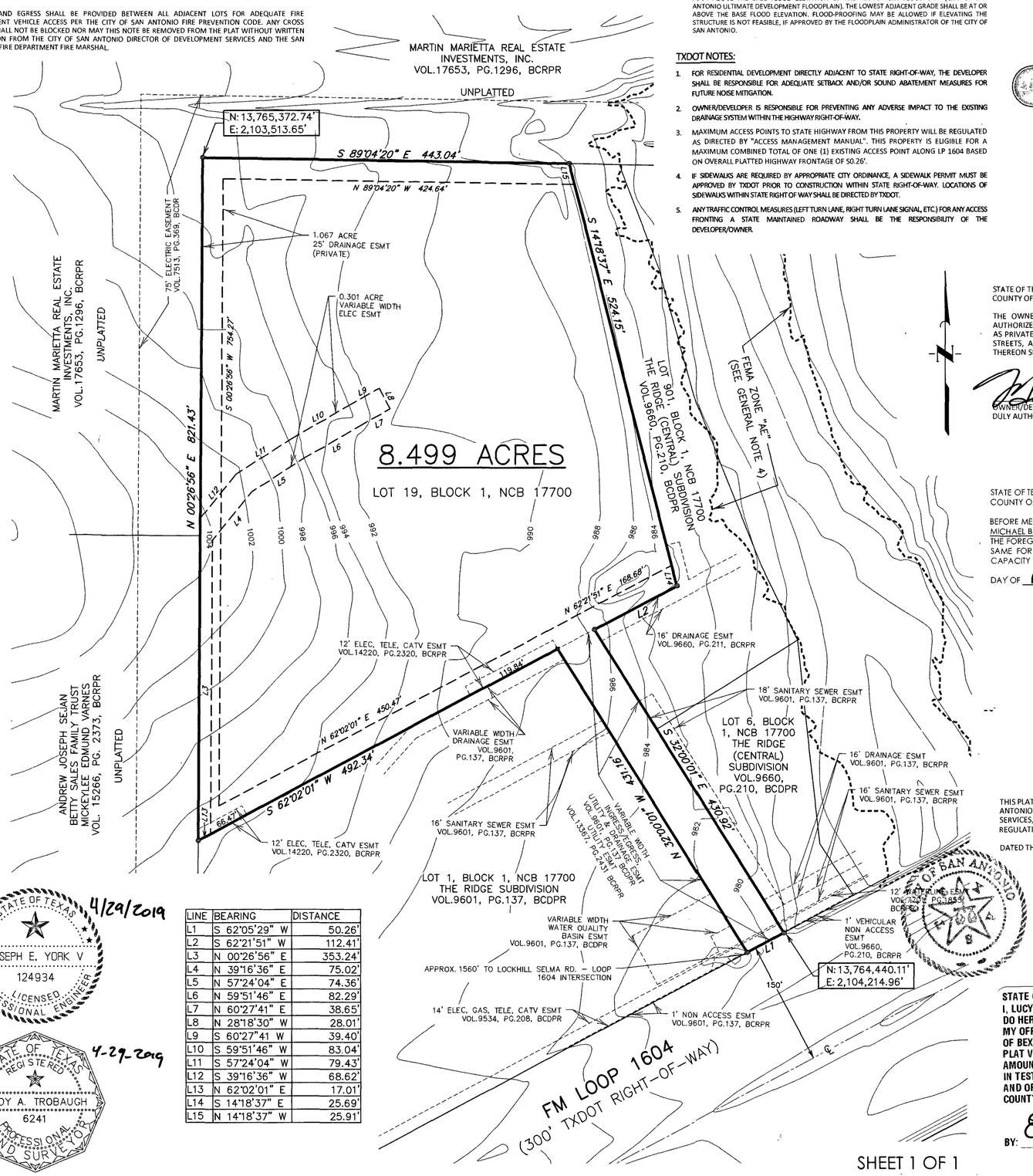
STATE OF TEXAS
COUNTY OF BEXAR

I HEREBY CERTIFY THAT THE ABOVE PLAT CONFORMS TO THE MINIMUM STANDARDS SET FORTH BY THE TEXAS BOARD OF PROFESSIONAL LAND SURVEYING ACCORDING TO AN ACTUAL SURVEY MADE ON THE GROUND BY: JONES & CARTER, INC.

REGISTERED PROFESSIONAL LAND SURVEYOR

STATE OF TEXAS
JOSEPH E. YORK V
124934
LICENSED PROFESSIONAL ENGINEER
4/29/2019

STATE OF TEXAS
REGISTERED
TROY A. TROBAUGH
6241
PROFESSIONAL LAND SURVEYOR
4-29-2019



LINE	BEARING	DISTANCE
L1	S 62°05'29" W	50.26'
L2	S 62°21'51" W	112.41'
L3	N 00°26'56" E	353.24'
L4	N 39°16'36" E	75.02'
L5	N 57°24'04" E	74.36'
L6	N 59°51'46" E	82.29'
L7	N 60°27'41" E	38.65'
L8	N 28°18'30" W	28.01'
L9	S 60°27'41 W	39.40'
L10	S 59°51'46" W	83.04'
L11	S 57°24'04" W	79.43'
L12	S 39°16'36" W	68.62'
L13	N 62°02'01" E	17.01'
L14	S 14°18'37" E	25.69'
L15	N 14°18'37" W	25.91'

JONES|CARTER
Texas Board of Professional Land Surveying Registration No. 10046105
Texas Board of Professional Engineers Registration No. F-439
4350 Lockhill-Selma Road, Suite 100 San Antonio, Texas 78249 210.494.5511
Austin * Brenham * Bryan * Dallas * Houston * Rosenberg * San Antonio * The Woodlands

DATE OF PRINT: APRIL 25, 2019

0 50 100 200 300
SCALE: 1" = 100'

STATE OF TEXAS
COUNTY OF BEXAR

THE OWNER OF LAND SHOWN ON THIS PLAT, IN PERSON OR THROUGH A DULY AUTHORIZED AGENT, DEDICATES TO THE USE OF THE PUBLIC, EXCEPT AREAS IDENTIFIED AS PRIVATE OR PART OF AN ENCLAVE OR PLANNED UNIT DEVELOPMENT, FOREVER ALL STREETS, ALLEYS, PARKS, WATERCOURSES, DRAINS, EASEMENTS AND PUBLIC PLACES THEREON SHOWN FOR THE PURPOSE AND CONSIDERATION THEREIN EXPRESSED.

OWNER/DEVELOPER: HOPE CENTER CHURCH, INC.
DULY AUTHORIZED AGENT: MICHAEL BAUER
HOPE CENTER CHURCH
4545 N. LOOP 1604 W.
SAN ANTONIO, TX 78249
(210) 764-3100

STATE OF TEXAS
COUNTY OF BEXAR

BEFORE ME, THE UNDERSIGNED AUTHORITY ON THIS DAY PERSONALLY APPEARED MICHAEL BAUER KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATIONS THEREIN EXPRESSED AND IN THE CAPACITY THEREIN STATED. GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS

DAY OF April 29, A.D. 20 19

NOTARY PUBLIC, BEXAR COUNTY, TEXAS

JULIETTE SEPULVEDA
NOTARY ID #131045401
My Commission Expires
March 15, 2021

THIS PLAT OF HOPE CHURCH SUBDIVISION HAS BEEN SUBMITTED TO THE CITY OF SAN ANTONIO, TEXAS, AND HAVING BEEN REVIEWED BY THE DIRECTOR OF DEVELOPMENT SERVICES, IS HEREBY APPROVED IN ACCORDANCE WITH STATE OR LOCAL LAWS AND REGULATIONS; AND/OR WHERE ADMINISTRATIVE EXCEPTION(S) HAVE BEEN GRANTED.

DATED THIS 9 DAY OF MAY, A.D. 20 19

BY: DIRECTOR OF DEVELOPMENT SERVICES

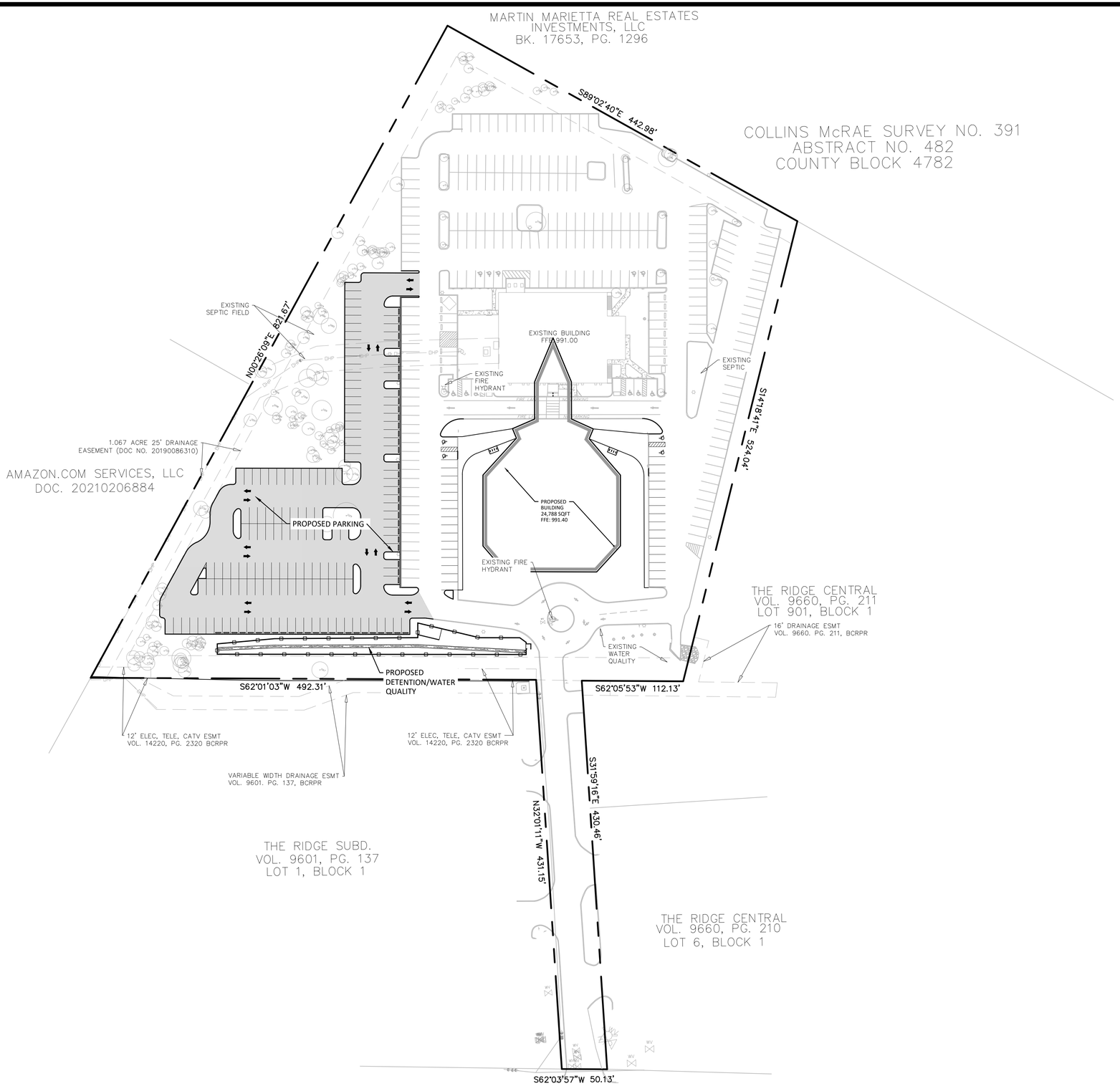
STATE OF TEXAS, COUNTY OF BEXAR
I, LUCY ADAME-CLARK, COUNTY CLERK OF BEXAR COUNTY, DO HEREBY CERTIFY THAT THIS PLAT WAS FILED FOR RECORD IN MY OFFICE AND DULY RECORDED IN THE PLAT RECORDS OF BEXAR COUNTY ON: 5/10/2019 9:11:33 AM
PLAT VOLUME: 20001 PAGE: 1061
AMOUNT: $82.00
IN TESTIMONY WHEREOF, WITNESS MY HAND AND OFFICIAL SEAL OF OFFICE,
COUNTY CLERK, BEXAR COUNTY, TEXAS

BY: , DEPUTY

SHEET 1 OF 1

Civil Job No. S0963-0001

Date: Apr 29, 2019, 2:31pm User ID: nc
File: K:\S0963\S0963-0001-00 Hope Center Church, San Antonio, Texas\2 Design Phase\CAD\Plat\S0963-0001-00 Plat V1.dwg



0 60' 120'
SCALE: 1"=60'

LEGEND

- PROPERTY LINE
- PROPOSED FACE OF CURB
- PROPOSED BACK OF CURB
- PROPOSED PAVEMENT
- EXISTING TREE TO REMAIN

Existing Parking Spaces	
Handicap Space	11
Staff Member Space	16
Parking Space	239
Total Existing Parking Spaces	266
Proposed Parking Spaces	
Handicap Space	15
Staff Member Space	16
Parking Space	399
Bike Parking	16
Total Proposed Parking Spaces	430
Parking Requirements	
ADA Parking Minimum	9
COSA Minimum (1 per 8 seats)	150
COSA Maximum (1per 1.5 seat)	800
Based on 1200 seats	

NOTES:

1. DIMESNIONS SHOWN ARE FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. SEE THE GEOTECHNICAL REPORT COMPLETED BY ECS SOUTHWEST ON 4-14-2025 FOR PAVEMENT RECOMMENDATIONS.
3. SIDEWALKS WILL BE ADA ACCESSIBLE AND SHOULD NOT HAVE CROSS SLOPES GREATER THAN 2.00%.
4. ADA PARKING SPACES WILL NEED TO COMPLY WITH ADA STANDARDS FOR MARKINGS AND SLOPES.

APP. BY
REVISIONS
DATE

STATE OF TEXAS
KYLER J. FELUX
150019
LICENSED
PROFESSIONAL ENGINEER
10-21-2025

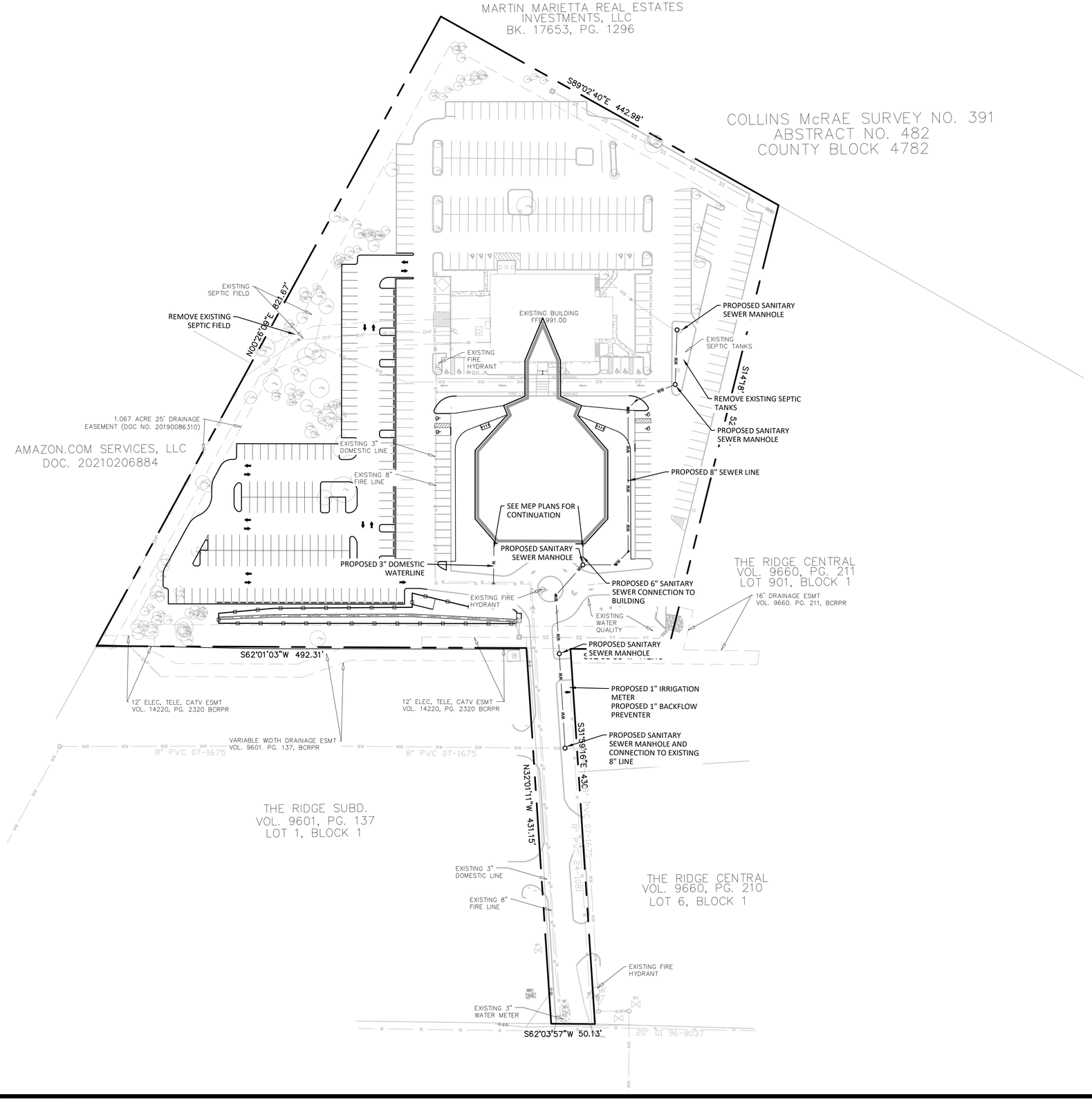
FELUX ENGINEERING
FIRM NO. 23020
P.O. BOX 461, BOERNE, TX 78147
210-818-3340

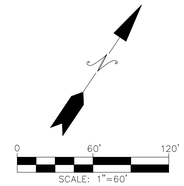
4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

OVERALL SITE PLAN

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:

7 OF 46





LEGEND

- PROPERTY LINE
- PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED WASTEWATER PIPE
- PROPOSED GAS PIPE
- PROPOSED UNDERGROUND UTILITY
- PROPOSED OVERHEAD POWER
- PROPOSED DATA UTILITY
- EXISTING WATER LINE
- EXISTING FIRE HYDRANT
- EXISTING WASTEWATER PIPE
- EXISTING GAS PIPE
- EXISTING UNDERGROUND UTILITY
- EXISTING OVERHEAD POWER
- EXISTING DATA UTILITY

NOTES:

1. CONTRACTOR MUST FOLLOW SAWS REQUIREMENTS AND STANDARDS.
2. ALL WATER LINES MUST HAVE A MINIMUM OF 4' OF COVER.
3. PIPE WILL BE DR 14 C900 PIPE UNLESS OTHERWISE SPECIFIED.
4. EXISTING LINES WILL NEED TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
5. PROVIDE MEGA LUG JOINT RESTRAINT OR APPROVED EQUAL. RL = RESTRAINT LENGTH IN FEET.

DATE	REVISIONS	APP. BY

STATE OF TEXAS
KYLER J. FELUX
150019
LICENSED
PROFESSIONAL ENGINEER
10-21-2025

FELUX ENGINEERING
FIRM NO. 23020
P.O. BOX 1604, BOERNE, TX 78147
210-818-3340

4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

OVERALL UTILITY PLAN

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:

12 OF 46

0 20' 40'
SCALE: 1"=20'

LEGEND

- PROPERTY LINE
- W — PROPOSED WATER LINE
- PROPOSED FIRE HYDRANT
- WW — PROPOSED WASTEWATER PIPE
- GAS — PROPOSED GAS PIPE
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8. MANHOLES ARE TO BE SET AT LEAST 4" ABOVE FINISHED GRADES. CONTRACTOR SHALL VERIFY ELEVATIONS.

APP. BY
REVISIONS
DATE

STATE OF TEXAS
KYLER J. FELUX
150019
LICENSED
PROFESSIONAL ENGINEER

10-21-2025

FELUX ENGINEERING
FIRM NO. 23020
P.O. BOX 64, ADKINS, TX 78147
210-818-3340

4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

UTILITY PLAN (1 OF 4)

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:

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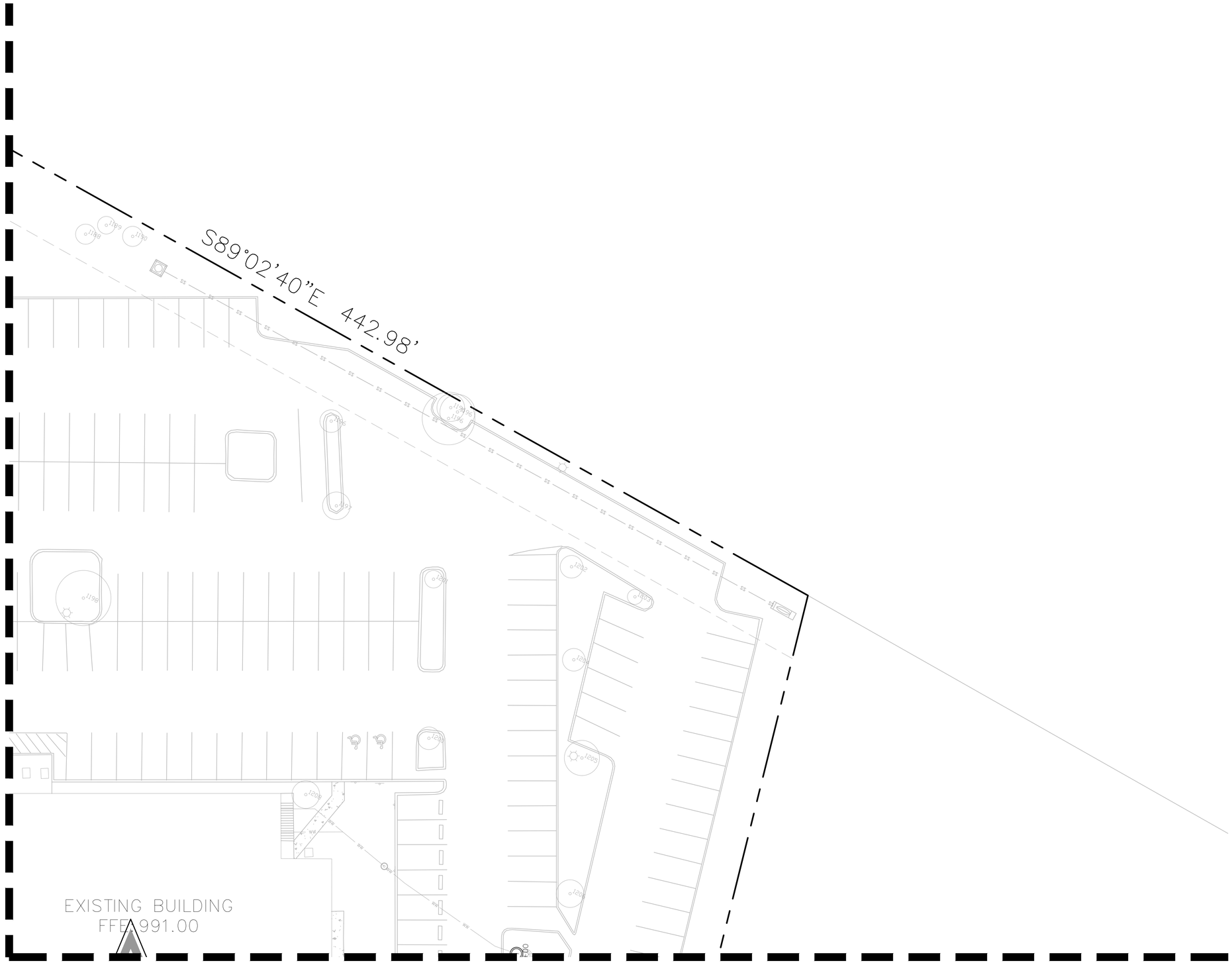

0 20' 40'
SCALE: 1"=20'

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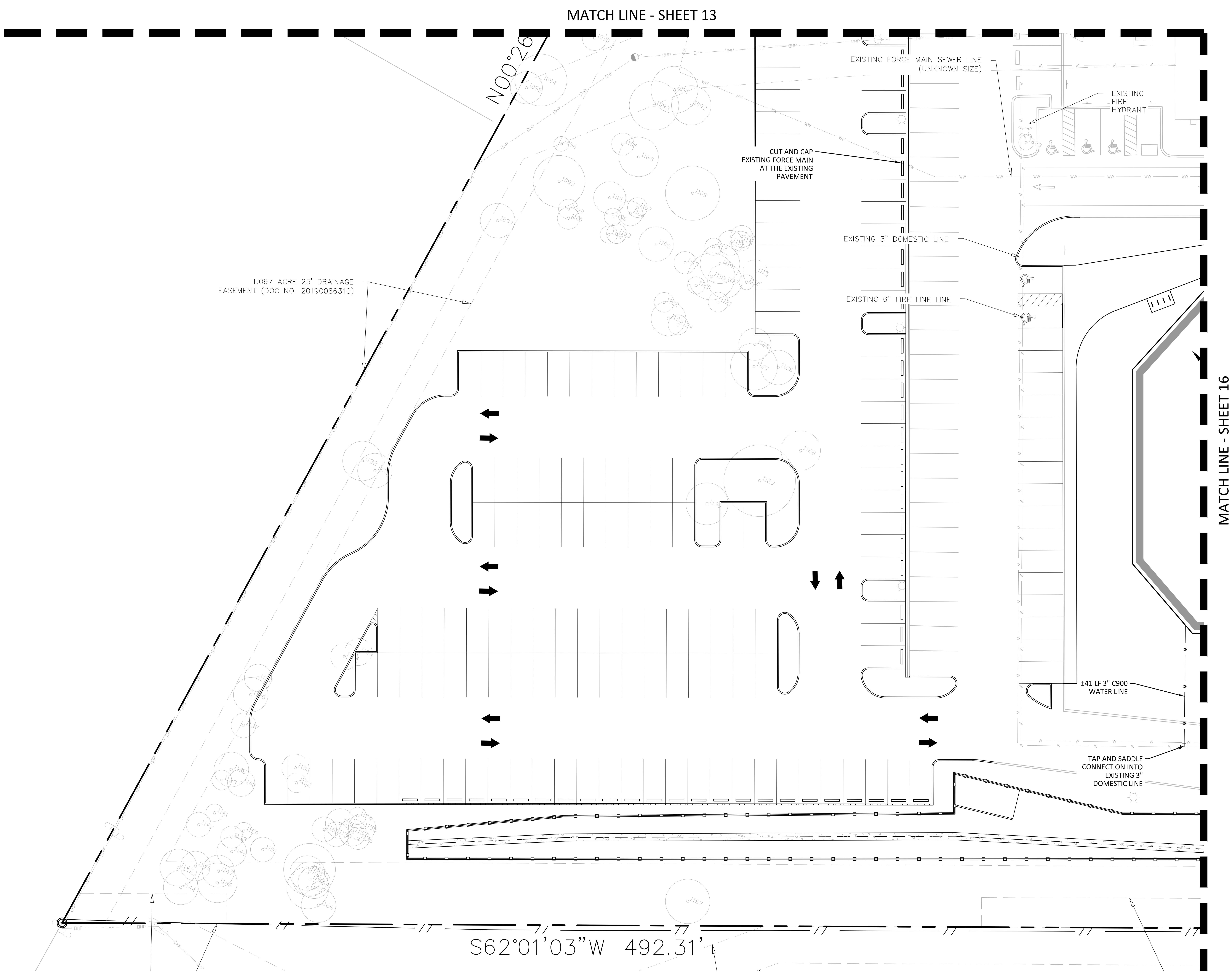
210-818-3340

4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

UTILITY PLAN (2 OF 4)

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:

14 OF 46



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10-21-2025

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P.O. BOX 964, POTH, TX 78147
210-818-3340

4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

UTILITY PLAN (3 OF 4)

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:

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MATCH LINE - SHEET 15

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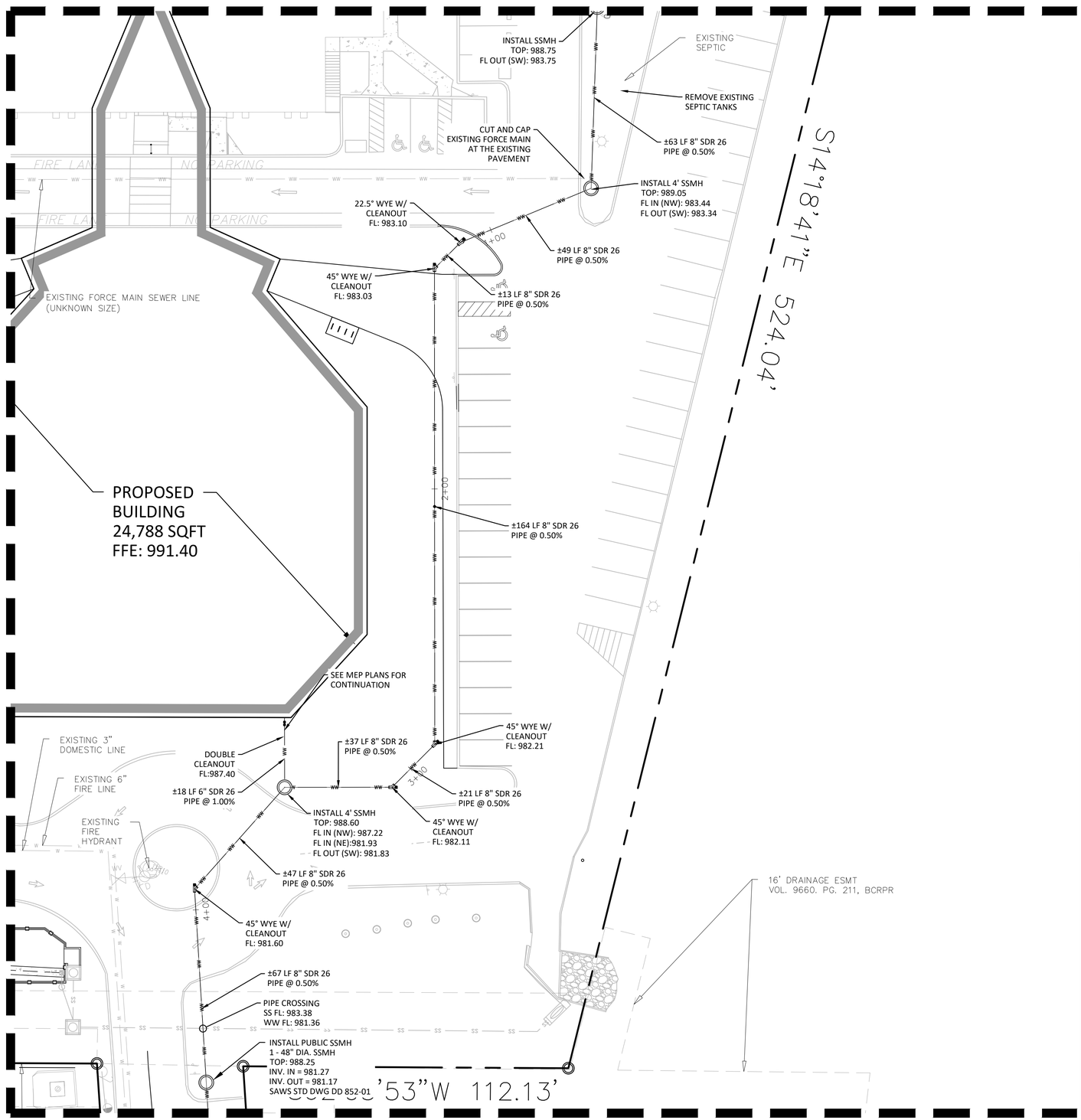

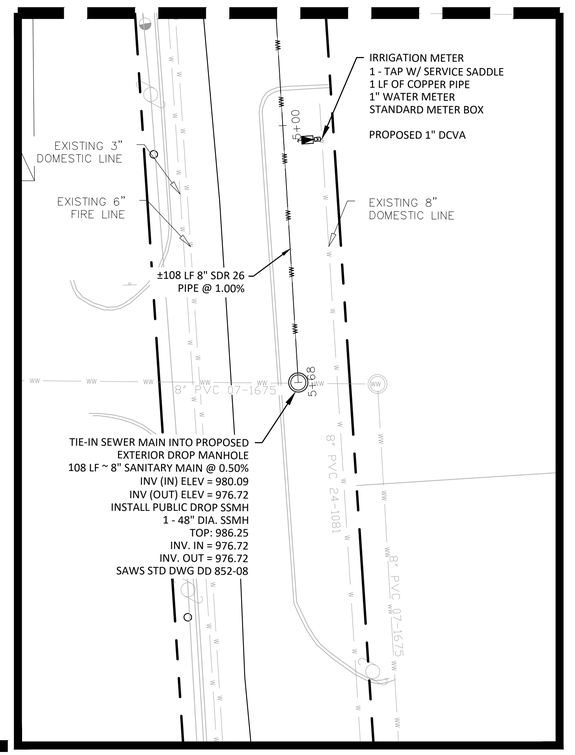

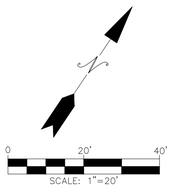

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FIRM NO. 25020
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210-818-3340

4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

UTILITY PLAN (4 OF 4)

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:

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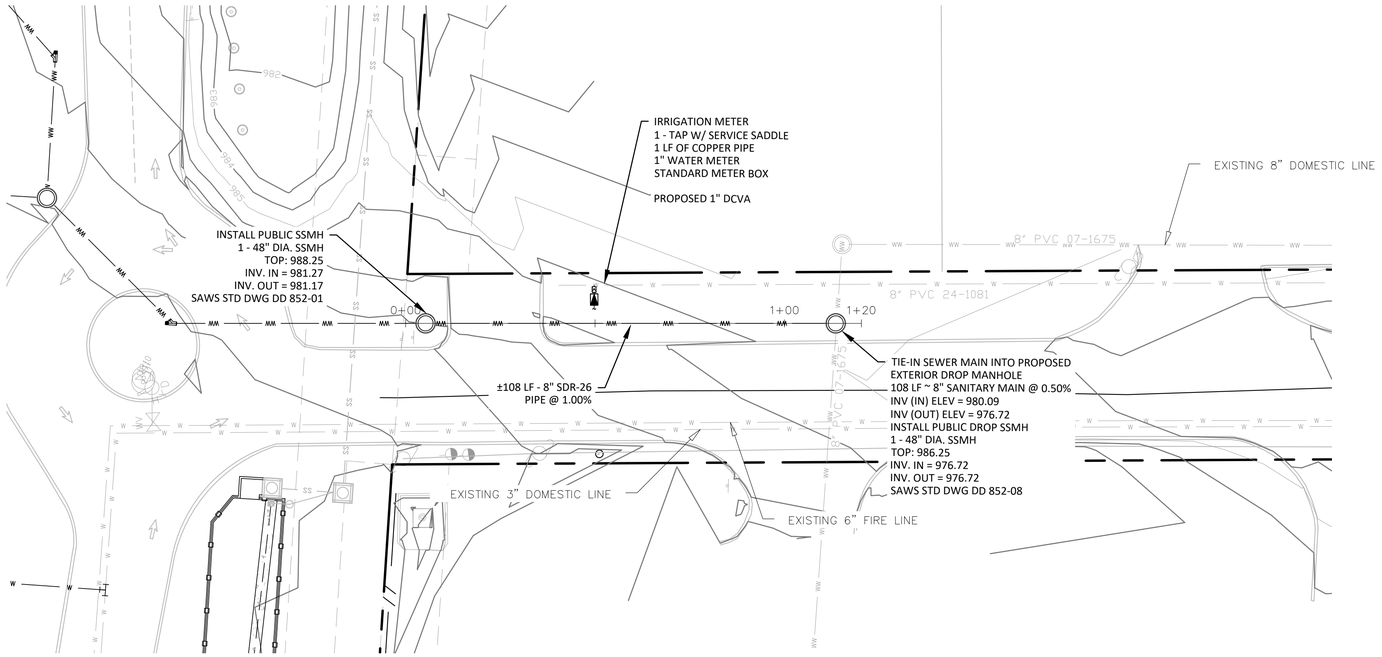

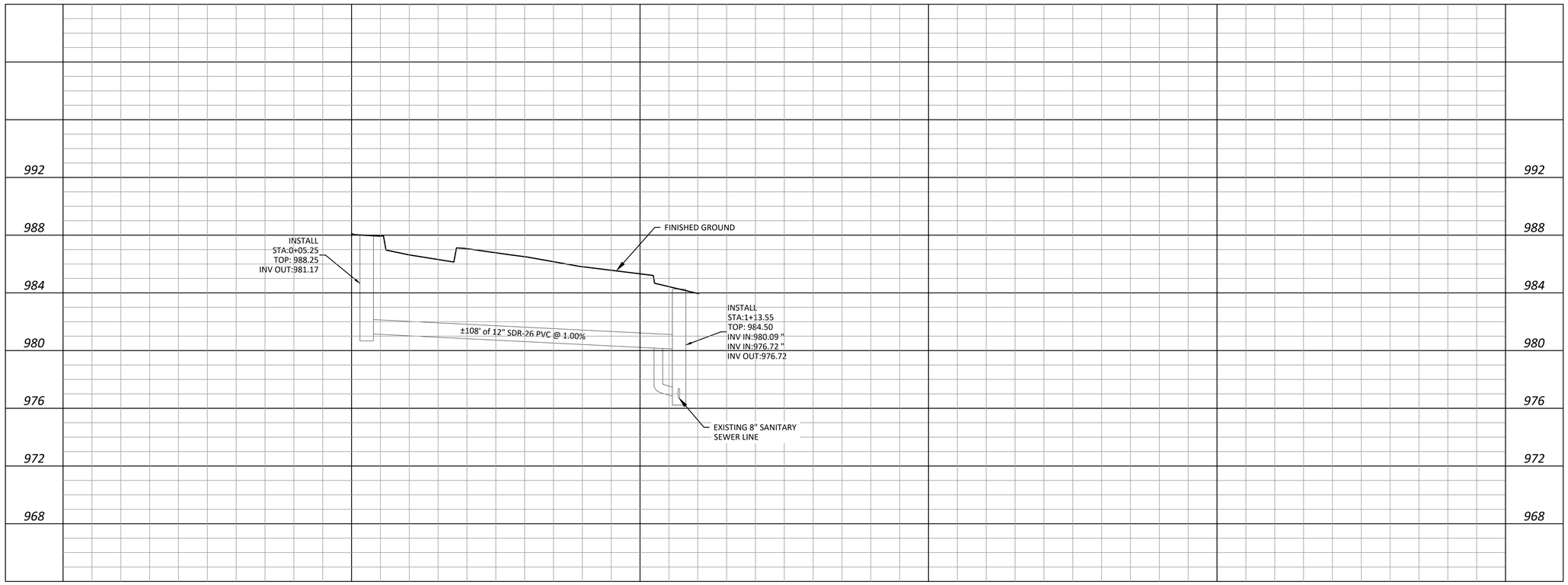

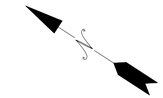

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10-21-2025

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P.O. BOX 64, PEARSALL, TX 78147
210-818-3340

4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

SEWER PLAN & PROFILE

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:

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Organized Sewage Collection System Application

Attachment B

Justification Calculations for Deviation in Straight Alignment without Manholes

There will be no justification for calculations for deviation in straight alignment without manholes.

Organized Sewage Collection System Application

Attachment C

Justification for Variance from Maximum Manhole Spacing

There will be no justification for variance from maximum manhole spacing.

Organized Sewage Collection System Application

Attachment D

Calculations for Slopes or Flows Greater Than 10 Feet per Second

There will be no calculations for slopes or flows greater than 10 feet per second.

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.

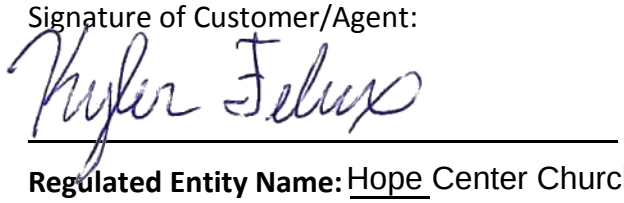
Signature

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: Kyler Felux

Date: 7/22/2025

Signature of Customer/Agent:



Regulated Entity Name: Hope Center Church

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: Olmos 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 Form

Attachment A

Spill Response Actions

Significant/Hazardous Spills

- A reportable discharge or spill is a discharge or spill of oil, petroleum product, used oil, hazardous substances, industrial solid waste, or other substances into the environment in a quantity equal to or greater than the reportable quantity listed in §327.4 of this title (relating to Reportable Quantities) in any 24-hour period.
- Information required in initial notification, to the extent known, shall contain:
    - Name, address, and telephone number of the person making the telephone report.
    - Date, time, and location of the spill or discharge.
    - Specific description or identification of the oil, petroleum product, hazardous substances or other substances discharged or spilled.
    - Estimate of the quantity discharged or spilled.
    - Duration of the incident.
    - Name of the surface water or a description of the waters in the state affected or threatened by the discharge or spill.
    - Source of the discharge or spill.
    - A description of the extent of actual or potential water pollution or harmful impacts to the environment and an identification of any environmentally sensitive areas or natural resources at risk.
    - If different from paragraph (1) of this subsection, the names, addresses, and telephone numbers of the person responsible and the contact person at the location of the discharge or spill.
    - A description of any actions that have been taken, are being taken, and will be taken to contain and respond to the discharge or spill.
    - Any known or anticipated health risks.
    - The identity of any governmental representatives, including local authorities or third parties, responding to the discharge or spill.
    - Any other information that may be significant to the response action.
- The national response center number is 800-424-8802.
- Method of notification. The person responsible shall notify the agency in any reasonable manner including by telephone, in person, or by any other method approved by the agency. In all cases, the initial notification shall provide, to the extent known, the information listed in subsection (d) of this section. Notice provided under this section satisfies the federal requirement to notify the State Emergency Response Commission in the State of Texas. The person responsible shall notify one of the following:
    - State Emergency Response Center at 1-800-832-8224.

    - During normal business hours, the regional office for the agency region in which the discharge or spilled occur. Normal business hours at the San Antonio and Austin TCEQ offices are 8 AM to 5 PM Monday through Friday.
    - Austin TCEQ office number is 512-239-100 and the San Antonio office number is 210-490-3096.
    - The agency at the agency 24-hour spill reporting number.

- The reportable quantities for hazardous substances shall be:
    - For spills or discharges onto land--the quantity designated as the Final Reportable Quantity (RQ) in Table 302.4 in 40 CFR §302.4; or
    - For spills or discharges into waters in the state--the quantity designated as the Final RQ in Table 302.4 in 40 CFR §302.4, except where the Final RQ is greater than 100 pounds in which case the RQ shall be 100 pounds.
- For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110, 119, and 302, the contractor should notify the National Response Center at 800-424-8802.
- Notification should first be made by telephone and then followed up with a written report.
- The services of a spill contractor, or a Haz-Mat team, should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staff have arrived at the job site.
- Other agencies which may need to be contacted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.
- The person responsible shall submit a monthly summary by the 20th day of the month for each accidental discharge or spill that occurred during the previous month. The summary must include, at a minimum, the:
    - Location, volume and content of the accidental discharge or spill.
    - Description of the accidental discharge or spill.
    - Cause of the accidental discharge or spill.
    - Dates and times of the accidental discharge or spill.
    - Steps taken to reduce, eliminate, and prevent recurrence of the accidental discharge or spill.

- The responsible person must use one of the following methods for determining the volume of the discharge or spill.
    - Visual estimate. If the accidental discharge or spill is less than 55 gallons, using a standard five-gallon bucket for reference, estimate the number of buckets that the discharge or spill would fill then multiply by five to obtain the number of gallons discharged or spilled. If the accidental discharge or spill is larger than 55 gallons, using a standard 55 gallon barrel for reference, estimate the number of barrels that the discharge or spill would fill and then multiply by 55 to obtain the number of gallons discharged or spilled.
    - Measured volume. Identify the length, width, and depth of the contained accidental discharge or spill in feet and calculate the volume by multiplying length by width by depth by 7.5 (the conversion factor from cubic feet to gallons).

- Duration and flow rate. Identify separate estimates for the duration and the flow rate of the accidental discharge or spill. The estimated volume is calculated by multiplying the duration (hours or days) by the flow rate (gallons/hour or gallons/day).
- Other methods. The responsible person may use other volumetric calculation methodologies rather than those listed in paragraphs (1) - (3) of this subsection, so long as such methodologies include procedures to identify a duration, flow rate, depth, affected area, and total quantity of each spill (including, as appropriate, reference to estimation tools such as barrels, for example), and such methodology is consistent with standard and accepted industry practices. Such alternative methodologies must be identified in the responsible person's monthly report.

The executive director may require more frequent reporting based on the responsible person's history of noncompliance.

Education of Employees or Subcontractors Who Handle Materials Which Can Cause Pollution

- Employees should know 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 a spill must be reported to the TCEQ. Information is available in 30 TAC 327.4 and 40 CFR 302.4.
- Educate employees and subcontractors on the potential dangers to humans and the environment from spills and leaks and provide training in spill prevention and cleanup.
- Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
- Establish a continuing education program to indoctrinate new employees, who will use and/or handle potential pollutants.
- Provide for a superintendent or representative to oversee and enforce proper spill prevention and control measures.

General Measures

- To the extent that work can be accomplished safely, spills of oil, petroleum products, and substances listed under 40 CFR parts 110, 117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately.
- Store hazardous materials and waste in covered containers and protect them from vandalism.
- Place spill cleanup materials where it will be readily accessible.
- Spills should be covered and protected from stormwater runoff during rainfall to the extent that it does not compromise clean-up activities.
- Do not bury spills onsite.
- 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.
- Do not allow water used for cleaning and decontamination to enter storm drains or watercourse. Collect and dispose of contaminated water in accordance with applicable regulations.

- Contain contaminated water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.
- 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.
- Keep waste storage areas clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored. Perimeters controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

Cleanup

- Clean up leaks and spills immediately, or as soon as it is safely practical.
- Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent materials for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.
- Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of it properly.

Minor Spills

- Minor spills such as small quantities of oil, gasoline, paint, etc., should be controlled by the first responder at the discovery of the spill.
- Use absorbent materials on small spills rather than hosing down or burying the spill.
- Absorbent materials should be promptly removed and disposed of properly.
- Follow the practice below for a minor spill:
    - Contain the spread of the spill.
    - Recover spilled materials.
    - Clean the contaminated area and properly dispose of contaminated materials.

Vehicle and Equipment Maintenance

- 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.
- Regularly inspect onsite vehicles and equipment for leaks and repair immediately.
- Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles onsite.
- Always use secondary containment, such as drain pans or drop cloth, to catch spills or leaks when removing or changing fluids.
- Place drip pans or absorbent materials under paving equipment when not in use.
- Use absorbent materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly.
- Promptly transfer used fluids to the proper waste or recycling drums. Do not leave full drip pans or other open containers lying around.

- 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 recycled. As the oil supplier or recycler about recycling oil filters.
- 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 into the containment area until you are sure it is not leaking.

Vehicle and Equipment Maintenance

- If fueling must occur onsite, use designated areas, located away from drainage courses, to prevent the runoff of stormwater and the runoff of spills.
- Discourage “topping off” on fuel tanks.
- Always use secondary containment, such as a drain pan, when fueling to catch a spill/leak.

For spills, TCEQ spill response can be contacted through the State Watch Office (SWO) at 512-239-2507, or by submitting a report online via the TCEQ website. For emergencies requiring immediate action, always dial 911 first.

Temporary Stormwater Section Form

Attachment B

Potential Sources of Containment

Asphalt products used on this project

- Preventative Measures
    - After placement of asphalt, emulsion or coatings, the contractor will be responsible for immediate cleanup should an unexpected rain occur.
    - For the duration of the asphalt product curing time, the contractor will maintain standby personnel and equipment to contain any asphalt wash-off should unexpected rainfall occur.
    - The contractor will be instructed not to place asphalt products on the ground within 48 hours of forecasted rain.

Oil, grease fuel and hydrocarbon fluid contamination from construction equipment and vehicle drippings.

- Preventative Measures:
    - Vehicle maintenance, when possible, will be performed within the construction staging area.
    - Construction vehicles and equipment should be checked regularly for leaks and repaired immediately.

Accidental leaks or spills of oil, petroleum products and substances listed under 40 CFR parts 110, 117, and 302 used or stored temporarily on site.

- Preventative Measures:
    - Contractor to incorporate regular safety meetings, a discussion of spill prevention and appropriate disposal procedures.
    - Contractor's superintendent or representative overseer should enforce proper spill prevention and control measures.
    - Hazardous material and waste shall be stored in covered containers and protected from vandalism.
    - A stockpile of spill cleanup materials should be stored on-site where it will be readily available.

Miscellaneous trash and litter from construction workers and material wrappings.

- Preventative Measures
    - Trash containers will be placed throughout the site to encourage proper trash disposal.

Construction Debris

- Preventative Measures
    - Construction debris will be monitored daily by the contractor. Debris will be collected weekly and placed in disposal bins. Situations requiring immediate attention will be addressed on a case-by-case basis.

Spills/Overflow of waste from portable toilets

- Preventative Measures
    - Portable toilets will be placed away from high traffic vehicular areas and storm drain inlets.
    - Portable toilets will need to be placed on a level ground surface.
    - Portable toilets will be inspected regularly for leaks and will be serviced and sanitized at time intervals that will maintain sanitary conditions.

Temporary Stormwater Section Form

Attachment C

Sequence of Major Activities

The sequence of major activities which will disturb soils during the construction process of the proposed site is shown below.

1. Temporary erosion and sedimentation controls are to be installed as indicated on the approved site plan and in accordance with the Stormwater Pollution Prevention Plan (SWPPP) that is required to be posted on the site. Install tree protection, initiate tree mitigation measures as needed.
2. Rough grade the pond(s) at 100% proposed capacity. Either the permanent outlet structure or a temporary outlet must be constructed prior to development of embankment or excavation that leads to ponding conditions. The outlet system shall be protected from erosion and shall be maintained throughout the course of construction until installation of the permanent water quality pond(s).
3. Begin site clearing/construction (or demolition) activities, roughly 4.51 acres.
4. Complete construction and start revegetation of the site and installation of landscaping.
5. Clean up site and clear any temporary BMPs that were installed.

Temporary Stormwater Section

Attachment D

Temporary Best Management Practices and Measures

Upgradient stormwater from offsite will be treated by onsite temporary BMPs. Before any of this work can begin, the clearing and grading contractor will be responsible for the installation of all on-site control measures. The methodology for pollution prevention of on-site stormwater will include:

- Erection of silt fence along downgradient boundary of construction activities for temporary erosion and sedimentation controls.
- Installation of rock berms with silt fencing downgradient from areas of concentrated stormwater flow for temporary erosion control.
- Installation of stabilized construction entrance/exits to reduce the dispersion of sediment from the site.
- Installation of concrete truck washout.
- Installation of construction staging areas.

Prior to the initiation of construction, all previously installed control measures will be repaired or reestablished for their designed purpose. The construction contractor will be responsible for the installation of the remaining on-site control measures that includes installation of the concrete truck washouts.

The temporary measures are intended to give a method on how to slow the flow of runoff from the site to allow the sediment and other solids to settle away from the runoff. Containing the sediment and other solids within the site will prevent them from entering the aquifer, surface streams, and/or any sensitive features that are present downstream of the site.

The natural flow of stormwater or runoff will flow across the site and will exit at the same location. Features discovered during construction will be reported and assessed in accordance with applicable regulations.

Temporary Stormwater Section

Attachment E

Request to Temporarily Seal a Feature

There is no request to temporarily seal any features.

Temporary Storm Water Section Form

Attachment F

Structural Practices

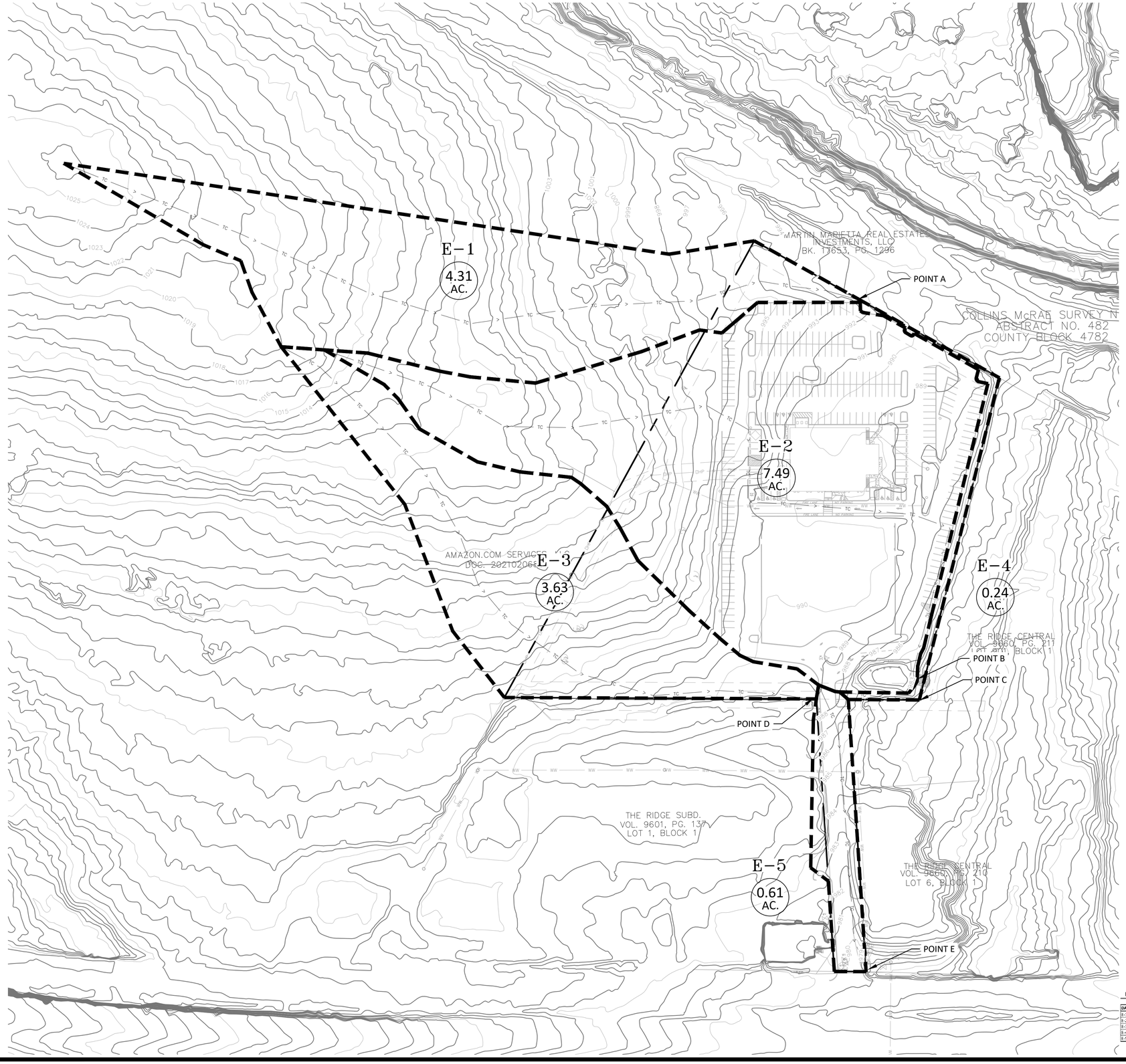
The structural practices listed below are shown in the SWPPP and SWPPP Detail Sheets.

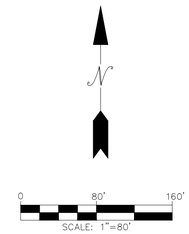
- A stabilized construction entrance with a washout pit will be constructed at all locations where vehicular traffic will enter and exit the site. This will reduce the number of sediments which leave the site and are tracked or fall onto adjacent roadways.
- A concrete truck washout will be located next to the stabilized construction entrance to prevent pollutants from stormwater from the concrete waste.
- Silt fencing will be installed adjacent to any drainage way which receives sheet flow from side slope perimeter of disturbed areas.
- Sandbags filled with washed pea gravel will be used at proposed storm drainage inlets prior to stabilization of the drainage areas.
- Rock filter dams will be placed at areas of concentrated flows to trap sediment leaving the site.

Temporary Storm Water Section Form

Attachment G

Drainage Area Maps





LEGEND

- PROPERTY LINE
- DRAINAGE AREA LIMITS
- TC — > — TIME OF CONCENTRATION
- XXX — DRAINAGE AREA LABEL
- 0.00 AC. — DRAINAGE AREA
- DRAINAGE FLOW DIRECTION

NOTES:
1. CONTOUR DATA USED FOR OFFSITE ANALYSIS IS 2017 LIDAR DATA PULLED FROM THE SAN ANTONIO RIVER AUTHORITY'S DATA BASE.
2. XXX CU.FT. OF TREATMENT HAS BEEN PROVIDED DURING PREVIOUS CONSTRUCTION ACTIVITIES.

EXISTING DEVELOPMENT DRAINAGE CALCULATIONS

DRAINAGE AREA	TOTAL ACRES	LARGE LOT RESIDENTIAL AREA slope (%)			RANGE (GRASS COVER >75% OF slope (%)			EXISTING ASPHALT PAVEMENT slope (%)			COMPOSITE RUNOFF COEFFICIENT
		C	C	C	C	C	C	C	C	C	
		0.57	0.62	0.64	0.39	0.47	0.52	0.95	0.97	0.97	
E-1	4.31					4.31					0.47
E-2	7.49					3.36		4.31			0.76
E-3	3.63					3.63					0.47
E-4	0.24					0.24					0.47
E-5	0.61				0.14			0.47			0.83

Tc (Pre Development)

Note
*Minimum Overland Flow Time of Concentration is 5 minutes per City of San Antonio Design Manual.

DA	Area (ac.)	L_total (ft)	Overland Flow Up to 100 feet L_1 (ft)	n_1	Slope_1 ft/ft	Tc_1 (min)	Flow beyond 100 ft L_2 (ft)	K (constant)	Slope_2 ft/ft	Tc_2 (min)	Tc_total
E-1	4.31	1315	100	0.13	0.01	9.79	1215	16.13	0.03	7.53	17.3
E-2	7.49	1398	100	0.13	0.03	6.31	1298	20.32	0.02	6.79	13.1
E-3	3.63	1080	100	0.13	0.05	5.14	980	16.13	0.03	6.34	11.5
E-4	0.24	126	100	0.13	0.06	5.00	26	16.13	0.06	0.11	5.1
E-5	0.61	463	100	0.01	0.02	5.00	363	20.32	0.02	2.09	7.0

FLOWS (Pre Development)

DA	Tc (min)	Area (ac.)	C	I_2, in/hr	I_5, in/hr	I_10, in/hr	I_25, in/hr	I_100, in/hr	Q_2, in/hr	Q_5, in/hr	Q_10, in/hr	Q_25, in/hr	Q_100, in/hr
E-1	17.3	4.31	0.47	3.94	4.90	5.67	6.78	8.42	7.98	9.92	11.49	13.73	17.07
E-2	13.1	7.49	0.76	4.52	5.64	6.58	7.89	9.82	25.71	32.13	37.44	44.76	55.90
E-3	11.5	3.63	0.47	4.77	5.97	6.98	8.35	10.44	8.16	10.19	11.91	14.24	17.82
E-4	5.1	0.24	0.47	6.26	7.83	9.15	10.94	13.70	0.71	0.88	1.03	1.23	1.55
E-5	7.0	0.61	0.83	5.65	7.10	8.32	9.94	12.47	2.86	3.59	4.23	5.03	6.33

DATE	REVISIONS	APP. BY

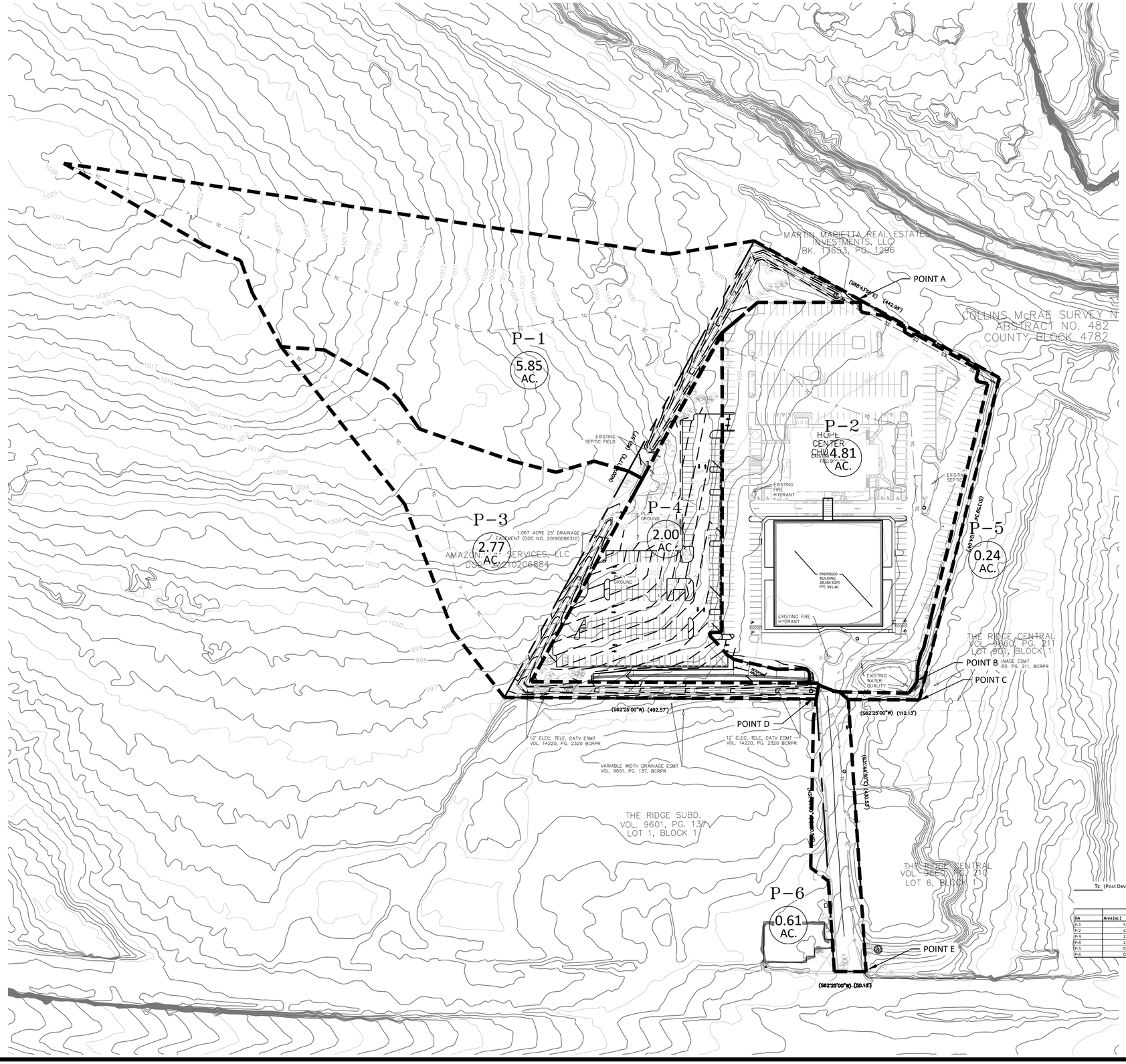
STATE OF TEXAS
KYLER J. FELUX
150019
LICENSED
PROFESSIONAL ENGINEER
7-22-2025

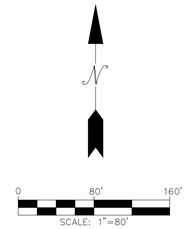
FELUX ENGINEERING
FIRM NO. 23020
P.O. BOX 1641, BOERNE, TX 78147
210-818-3340

4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

EXISTING DRAINAGE AREA MAP

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:





LEGEND

- PROPERTY LINE
- DRAINAGE AREA LIMITS
- TC > TIME OF CONCENTRATION
- XXX — DRAINAGE AREA LABEL
- 0.00 AC. — DRAINAGE AREA
- DRAINAGE FLOW DIRECTION

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2. XXX CU.FT. OF TREATMENT HAS BEEN PROVIDED DURING PREVIOUS CONSTRUCTION ACTIVITIES.

PROPOSED DEVELOPMENT DRAINAGE CALCULATIONS

DRAINAGE AREA	TOTAL ACRES	LARGE LOT RESIDENTIAL AREA slope (%)			RANGE (GRASS COVER >75% OF slope (%)			ASPHALT PAVEMENT slope (%)			COMPOSITE RUNOFF COEFFICIENT
		C	C	C	C	C	C	C	C	C	
		0.57	0.62	0.64	0.39	0.47	0.52	0.96	0.97	0.97	
P-1	5.98					5.98					0.47
P-2	4.81					0.50		4.31			0.91
P-3	2.64					2.64					0.47
P-4	2.00					0.78			1.22		0.78
P-5	0.24					0.24					0.47
P-6	0.61				0.14			0.47			0.83

Tc (Post Development)

Note
*Minimum Overland Flow Time of Concentration is 5 minutes per City of San Antonio Design Manual.

			Overland Flow Up to 100 feet				Flow beyond 100 ft				Channel Flow				
DA	Area (ac.)	L_total (ft)	L_1 (ft)	n_1	Slope_1 ft/ft	Tc_1 (min)	L_2 (ft)	K (constant)	Slope_2 ft/ft	Tc_2 (min)	L (ft)	R (in)	S (ft/ft)	Tc_3 (min)	Tc_total
P-1	5.98	1330	100	0.13	0.01	9.79	998	16.13	0.03	6.34	232	6.90	0.01	0.98	17.1
P-2	4.78	778	100	0.01	0.04	5.00	673	20.32	0.01	4.53					9.5
P-3	2.64	1143	100	0.13	0.05	5.14	570	16.13	0.01	5.89	473	4.90	0.01	3.97	11.0
P-4	2.03	383	100	0.13	0.07	5.00	283	20.32	0.02	1.53					6.5
P-5	0.24	126	100	0.13	0.06	5.00	26	16.13	0.06	0.13					5.1
P-6	0.61	465	100	0.01	0.02	5.00	365	20.32	0.02	2.03					7.0

FLOWS (Post Development)

DA	Tc (min)	Area (ac.)	C	I_2_in/hr	I_5_in/hr	I_10_in/hr	I_25_in/hr	I_100_in/hr	Q_2_in/hr	Q_5_in/hr	Q_10_in/hr	Q_25_in/hr	Q_100_in/hr
P-1	17.1	5.98	0.47	3.96	4.92	5.70	6.82	8.47	11.13	13.84	16.08	19.16	23.82
P-2	9.5	4.81	0.86	5.11	6.41	7.52	8.98	11.26	21.14	26.53	31.09	37.16	46.58
P-3	11.0	2.64	0.47	4.84	6.07	7.10	8.49	10.62	6.01	7.53	8.81	10.53	13.18
P-4	6.5	1.99	0.78	5.79	7.27	8.52	10.18	12.77	8.99	11.28	13.22	15.80	19.81
P-5	5.1	0.24	0.47	6.26	7.83	9.15	10.94	13.70	0.71	0.88	1.03	1.23	1.55
P-6	7.0	0.61	0.83	5.65	7.10	8.32	9.94	12.47	2.86	3.59	4.21	5.03	6.31

APP. BY

REVISIONS

DATE

STATE OF TEXAS
KYLER J. FELUX
150019
LICENSED
PROFESSIONAL ENGINEER
7-22-2025

FELUX ENGINEERING
FIRM NO. 23020
P.O. BOX 780147, SAT, TX 78147
210-818-3340

4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

PROPOSED DRAINAGE AREA MAP

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:

24 OF 43

C:\Users\Kevin\Desktop\New Engineering Projects\25002-01 Hope Center Church Phase 2\Design\25002-01 - Proposed Drainage Area Map.dwg

Temporary Storm Water Section Form

Attachment H

Temporary Sediment Pond(s) Plans and Calculations

The proposed detention pond will be utilized as temporary sediment pond. See the drainage area maps and detention pond sheets for calculations.

Temporary Stormwater Section Form

Attachment I

Inspection and Maintenance for BMPs

The following list of items outlines and dictates Inspection and Maintenance for BMPs practices. Inspections and maintenance guidelines come from TCEQ RG-348.

In addition to these measures, the contractor will be subject to the provisions of the TCEQ General Permit Number TXR 150000 relating to discharges from construction activities.

Interceptor Swale

- Interceptor swales should be inspected weekly and after each rain event to locate and repair any damage to the channel or clear debris or other obstruction so as not to diminish the flow capacity.
- Damage from storms or normal construction activities such as tire ruts or disturbance of swale stabilization should be repaired as soon as it is practical.

Temporary Construction Entrance/Exit

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

Silt Fence

- Inspect all the fencing weekly, and after any rainfall.
- Remove sediment when buildup reaches 6 inches.
- Replace any torn fabric or install a second line of fencing parallel to the torn section.
- Replace or repair any sections crushed or collapsed during construction activity. If a section of fence is obstructing vehicular access, consider relocating it to a spot where it will provide equal protection, but will not obstruct vehicles. A triangular filter dike may be preferable to a silt fence at common vehicle access points.

- When construction is completed, the sediment should be disposed of in a manner that will not cause additional siltation, and the prior location of the silt fence should be revegetated. The fence itself should be disposed of in an approved landfill.

Inlet Protection Barrier

- Inspection should be made weekly and after each rainfall. Repairs or replacement should be made promptly as needed by the contractor.
- Remove sediment when buildup reaches a depth of 3 inches. Removed sediment should be deposited in a suitable area and in such a manner that it will not eventually erode.
- Check placement of devices to prevent gaps between device and curb.
- Inspect filter fabric and patch or replace if torn or missing.
- Structures should be removed and the area stabilized only after the remaining drainage area has been properly stabilized.

Rock Filter Dam

- Inspection should be made weekly and after each rainfall. Repairs or replacement should be made promptly as needed by the contractor.
- Remove sediment when buildup reaches a depth of 6 inches. Removed sediment should be deposited in a suitable area and in such a manner that it will not eventually erode.
- The rock filter dam should be left in place until all upstream areas are stabilized and accumulated silt removal; removal should be done by hand.

Temporary Stormwater Section Form

Attachment J

Schedule of Interim and Permanent Soil Stabilization Practices

On-site construction activities shall be conducted in accordance with the SWPPP for the project.

Interim on-site stabilization measures will include minimizing soil disturbances by exposing the smallest practical area of land required for the shortest period of time and maximizing the use of natural vegetation. All disturbed soil will be stabilized as per project specifications in accordance with pages 1-35 to 1-60 of TCEQ Technical Guidance Manuel RG-348 (2005).

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 temporarily or permanently cease is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable. Where construction activities on a portion of the site are 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 the site. In areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is preclude by seasonal arid conditions, stabilization measures shall be initiated as soon as practicable.

Interim Stabilization Measures will include one or more of the following methods:

- Temporary vegetation
- Installation of blankets or matting material
- Hydraulic mulch
- Sod

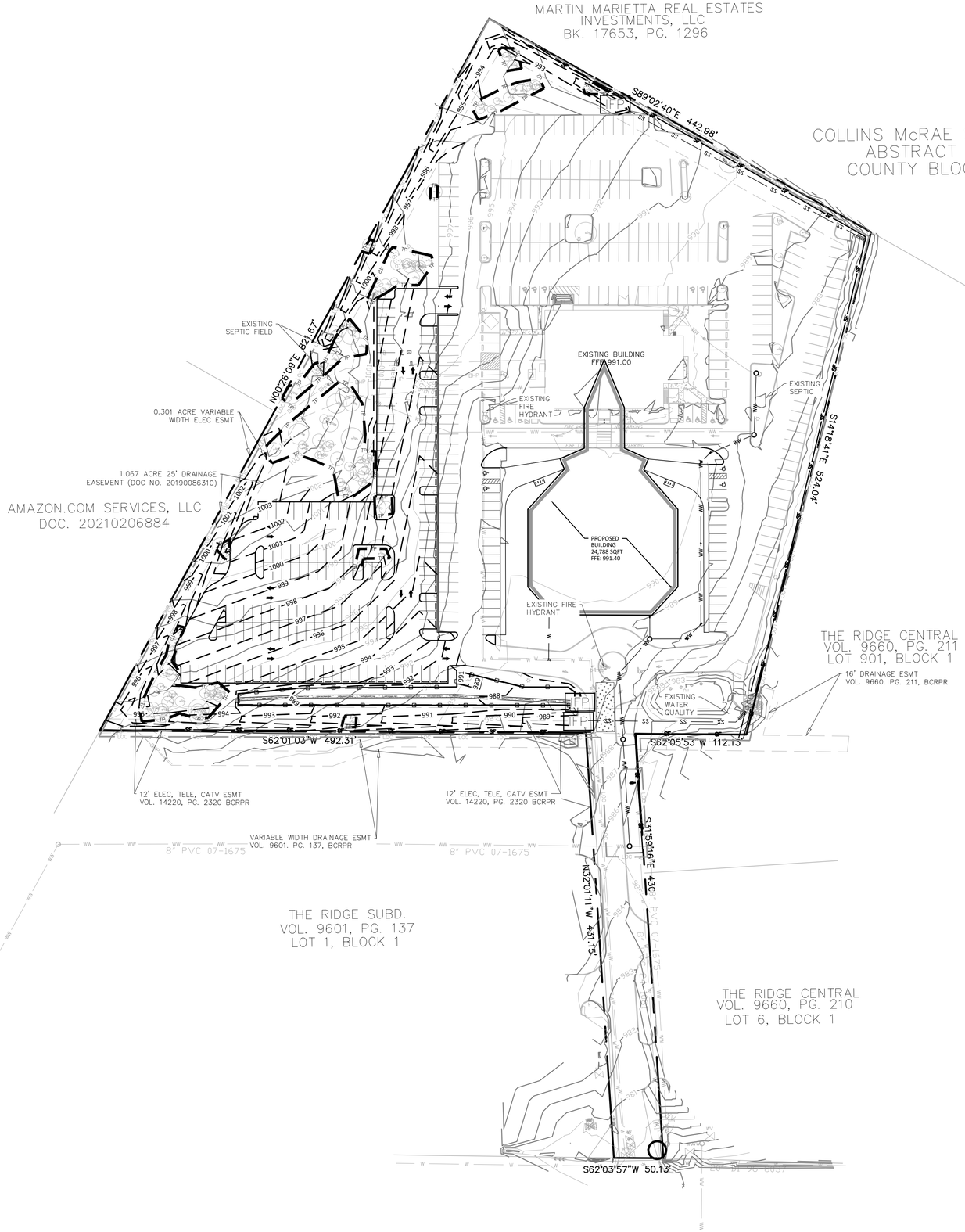
The interim and permanent stabilization will be installed in accordance with the standard specifications for the county or city having jurisdiction over the project, which ever is more stringent. If the governing entity does not have specifications for these items, the work shall be completed in compliance with the procedures and specifications outlined in the current Technical Guidance Manual published by the TCEQ.

Permanent Stabilization measures will include one or more of the following methods.

- Permanent Vegetation including landscape planting with trees, shrubs, or ground cover
- Installation of blankets or matting materials
- Hydromulch
- Grass sodding
- Rock or concrete riprap

Stormwater Pollution Prevention Plan

A full size copy of the Stormwater Pollution Prevention Plan (SWPPP) follows this page.



NOTES:

1. 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.
2. 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.
3. IF ANY SENSITIVE FEATURE(S) (CAVES, SOLUTION CAVITY, SINK 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.
4. 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.
5. 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.
6. 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.
7. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS NOT LATER THAN TCEQ-0592 (REV. JULY 15, 2015) PAGE 2 OF 2 WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.
8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
9. 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.
10. 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.
11. 11. 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.
12. THE HOLDER OF ANY APPROVED EDWARD 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 OR A CHANGE 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.

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

0 30' 60'
SCALE: 1"=30'

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- W — EXISTING WATER LINE
- WW — EXISTING WASTEWATER PIPE
- SS — EXISTING STORM WATER PIPE
- GAS — EXISTING GAS PIPE
- UGE — EXISTING UNDERGROUND UTILITY
- OHP — EXISTING OVERHEAD POWER
- COMM — EXISTING DATA UTILITY
- XXX — EXISTING TREE TO REMAIN
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- W — PROPOSED WATER LINE
- WW — PROPOSED WASTEWATER PIPE
- SS — PROPOSED STORM WATER PIPE
- GAS — PROPOSED GAS PIPE
- UGE — PROPOSED UNDERGROUND UTILITY
- OHP — PROPOSED OVERHEAD POWER
- COMM — PROPOSED DATA UTILITY
- LOC — LIMITS OF CONSTRUCTION
- SF — PROPOSED SILT FENCE
- TP — PROPOSED TREE PROTECTION
- RFD — PROPOSED ROCK FILTER DAM
- IFP — PROPOSED INLET FILTER PROTECTION
- PROPOSED CONSTRUCTION ENTRANCE
- CW — PROPOSED CONCRETE WASHOUT
- PROPOSED SWPPP SIGNAGE

NOTES:

1. CONTRACTOR TO INSTALL EROSION CONTROL BEFORE CONSTRUCTION ACTIVITIES BEGIN IN ACCORDANCE WITH TCEQ AND LOCAL JURISDICTION REQUIREMENTS.
2. CONTRACTOR TO MAINTAIN A CLEAN PROJECT SITE AND ENSURE THAT ALL DEBRIS AND SPOIL MATERIAL IS DISPOSED OF PROPERLY. ALL SPOIL MATERIAL GENERATED FROM FROM CONSTRUCTION ACTIVITY TO BE HAULED OFFSITE AND DISPOSED IN ACCORDANCE WITH LOCAL LAWS, RULES, AND REGULATIONS.
3. CONTRACTOR MUST PICK UP AND DISPOSE OF ALL SEDIMENT CONTROLS, INCLUDING SILT FENCE, ONCE PERMANENT EROSION CONTROLS ARE ESTABLISHED OR CONSTRUCTION HAS CONCLUDED.

APP. BY | REVISIONS | DATE

STATE OF TEXAS
KYLER J. FELUX
150019
LICENSED
PROFESSIONAL ENGINEER
10-21-2025

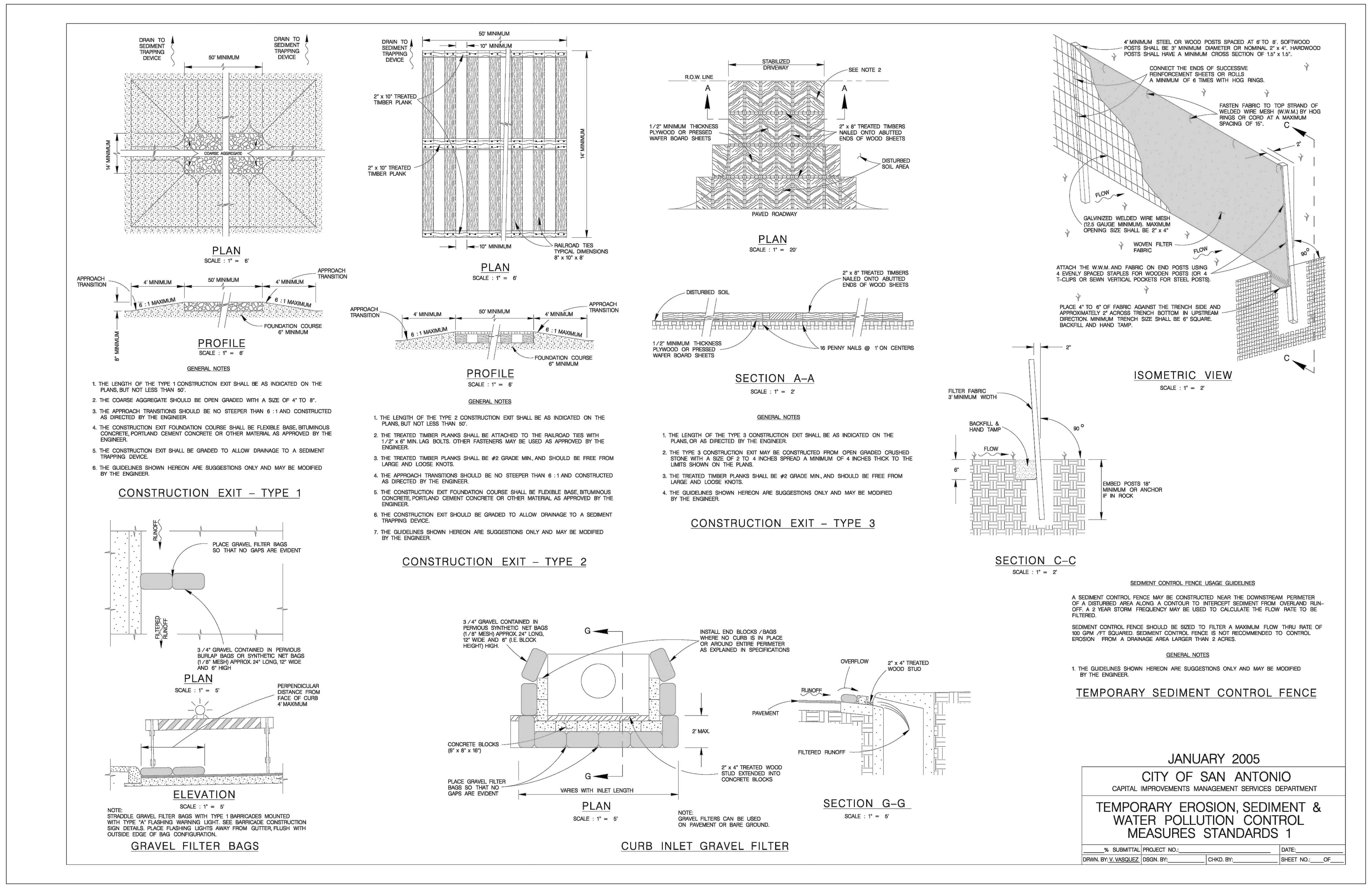
FELUX ENGINEERING
FIRM NO. 23020
P.O. BOX 781447, SAN ANTONIO, TX 78247
210-818-3340

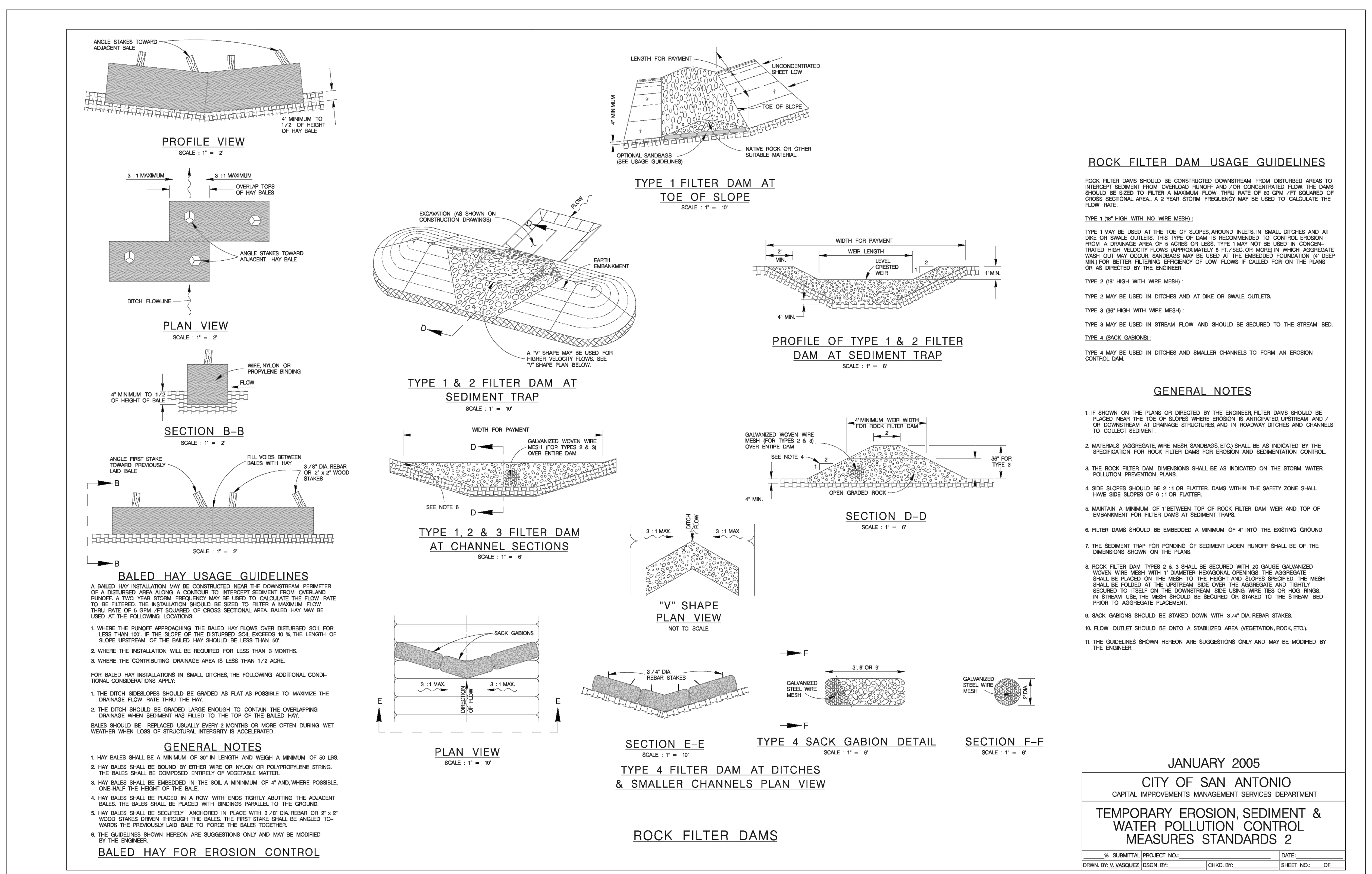
4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

SWPPP

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:

C:\Users\Kevin\Desktop\New Engineering Projects\25002-01 Hope Center Church Phase 2\Design\Civil\SWPPP.dwg





REVISIONS	DATE	APP. BY

STATE OF TEXAS
KYLER J. FELUX
150019
LICENSED PROFESSIONAL ENGINEER

10-21-2025

FELUX ENGINEERING

FIRM NO. 25020
P.O. BOX 964, POTH, TX 78147
210-818-3340

4545 N LOOP 1604 W, SAN ANTONIO, TX 78249

SWPPP DETAILS

DATE: 3/25/2025
JOB NO.: 25002-01
DRAWN BY: kjf
PAGE:

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

I Nathan Scoggins,
Print Name

Lead Parishioner,
Title - Owner/President/Other

of Hope Center Church,
Corporation/Partnership/Entity Name

have authorized Kyler Felux
Print Name of Agent/Engineer

of Felux Engineering
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:

Nathan Scoggins
Applicant's Signature

7/14/25
Date

THE STATE OF Texas §

County of Bexar §

IRMA T RAMIREZ
Notary ID #5778161
My Commission Expires
March 21, 2028

BEFORE ME, the undersigned authority, on this day personally appeared Nathan Scoggins 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 14 day of July, 2025.

Irma T Ramirez
NOTARY PUBLIC

IRMA T. RAMIREZ
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: March 21, 2028

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: Hope Center Church
Regulated Entity Location: San Antonio, TX
Name of Customer: Nathan Scoggins
Contact Person: Kyler Felux Phone: 210-818-3340
Customer Reference Number (if issued):CN _____
Regulated Entity Reference Number (if issued):RN _____

Austin Regional Office (3373)

☐ Hays ☐ Travis ☐ Williamson

San Antonio Regional Office (3362)

☒ Bexar ☐ Medina ☐ Uvalde
☐ Comal ☐ Kinney

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

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

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

Site Location (Check All That Apply):

☒ Recharge Zone ☐ Contributing Zone ☐ Transition Zone

Type of Plan	***Size***	***Fee Due***
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	$
Sewage Collection System	586 L.F.	$ 650
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: _____ Date: 10-13-2025

Application Fee Schedule

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

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

SECTION II: Customer Information

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

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

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

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

Scoggins, Nathaniel

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0156603501	17423561335		

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

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

13. Independently Owned and Operated?
☐ Yes ☐ No

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

☒ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:	4545 N Loop 1604 W						
	City	San Antonio	**State**	TX	**ZIP**	78249	**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	budde54@yahoo.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(210)842-8686		( ) -

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.)*

Hope Center Church Addition

23. Street Address of the Regulated Entity: *(No PO Boxes)*	4545 N Loop 1604 W							
	City	San Antonio	**State**	TX	**ZIP**	78249	**ZIP + 4**	
24. County								

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

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
8661		813110	

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

Church for worship and educational purposes

34. Mailing Address:	4545 N Loop 1604 W							
	City	San Antonio	**State**	TX	**ZIP**	78249	**ZIP + 4**	
35. E-Mail Address:	hopecenterchurchsanantonio@gmail.com							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(210)764-3100		( ) -

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

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

SECTION IV: Preparer Information

40. Name:	Kyler Felux	41. Title:	Project Manager

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(210)818-3340		( ) -	feluxeng@gmail.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:	Hope Center Church	**Job Title:**	Pastor
Name *(In Print)*:	Nathan Scoggins	**Phone:**	(210) 764-3100
Signature:	Nathan Scoggins	**Date:**	7/14/25