

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: 426 Mountain Top					2. Regulated Entity No.: N/A				
3. Customer Name: ACSBLDR INC					4. Customer No.: N/A				
5. Project Type: (Please circle/check one)	<input checked="" type="radio"/> New	Modification			Extension		Exception		
6. Plan Type: (Please circle/check one)	WPAP	<input checked="" type="radio"/> CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	<input checked="" type="radio"/> Residential		Non-residential			8. Site (acres):		5.1	
9. Application Fee:	\$3,000		10. Permanent BMP(s):			ENGINEERED VEGETATIVE FILTER STRIPS			
11. SCS (Linear Ft.):	N/A		12. AST/UST (No. Tanks):			N/A			
13. County:	Comal		14. Watershed:			Lower Blanco River			

Application Distribution

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

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

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

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

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

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review. Trevor Tast, P.E.	
Print Name of Customer/Authorized Agent	2023-01-31
Signature of Customer/Authorized Agent	Date

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

Contributing Zone Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Contributing Zone to the Edwards Aquifer and Relating to 30 TAC §213.24(1), 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 **Contributing Zone Plan Application** is hereby submitted for TCEQ review and Executive Director approval. The application was prepared by:

Print Name of Customer/Agent: Trevor Tast, P.E.

Date: 2023-01-31

Signature of Customer/Agent:



Regulated Entity Name: 426 Mountain Top

Project Information

1. County: Comal
2. Stream Basin: San Marcos
3. Groundwater Conservation District (if applicable): Comal Trinity GCD
4. Customer (Applicant):

Contact Person: Adam Smith

Entity: ACSBLDR INC

Mailing Address: 8235 AGORA PARKWAY

City, State: Selma, TX

Telephone: 210-663-2323

Email Address: 21ACS@YAHOO.COM

Zip: 78154

Fax: _____

5. Agent/Representative (If any):

Contact Person: Trevor Tast, P.E.

Entity: TX2 Engineering

Mailing Address: 645 Floral Ave. Suite C

City, State: New Braunfels, TX

Zip: 78130

Telephone: 816-510-9151

Fax: _____

Email Address: trevor@tx2engineering.com

6. Project Location:

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

7. ☒ The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

The subject property address is: 426 Mountain Top Drive, Spring Branch TX 78070

The site is located at the dead end of the West portion of Mountain Top Drive on the North Side of the roadway.

8. ☒ **Attachment A - Road Map.** A road map showing directions to and the location of the project site is attached. The map clearly shows the boundary of the project site.

9. ☒ **Attachment B - USGS Quadrangle Map.** A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000") is attached. The map(s) clearly show:

- ☒ Project site boundaries.
- ☒ USGS Quadrangle Name(s).

10. ☒ **Attachment C - Project Narrative.** A detailed narrative description of the proposed project is attached. 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

11. 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/Not cleared)
- ☐ Other: _____

12. The type of project is:

- ☐ Residential: # of Lots: _____
- ☒ Residential: # of Living Unit Equivalents: 22
- ☐ Commercial
- ☐ Industrial
- ☐ Other: _____

13. Total project area (size of site): 5.1 Acres

Total disturbed area: 4.9 Acres

14. Estimated projected population: 22

15. The amount and type of impervious cover expected after construction is complete is shown below:

Table 1 - Impervious Cover

<i>Impervious Cover of Proposed Project</i>	<i>Sq. Ft.</i>	<i>Sq. Ft./Acre</i>	<i>Acres</i>
Structures/Rooftops	44,000	÷ 43,560 =	1.01
Parking	0	÷ 43,560 =	0
Other paved surfaces	28,000	÷ 43,560 =	0.64
Total Impervious Cover	182,189	÷ 43,560 =	1.65

Total Impervious Cover $\frac{1.65}{5.1} \times 100 = 32\%$ Impervious Cover

16. ☒ **Attachment D - Factors Affecting Surface Water Quality.** A detailed description of all factors that could affect surface water quality is attached. If applicable, this includes the location and description of any discharge associated with industrial activity other than construction.
17. ☒ Only inert materials as defined by 30 TAC 330.2 will be used as fill material.

For Road Projects Only

Complete questions 18 - 23 if this application is exclusively for a road project.

☒ N/A

18. Type of project:

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

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

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

20. Right of Way (R.O.W.):

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

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

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

21. Pavement Area:

Length of pavement area: _____ feet.

Width of pavement area: _____ feet.

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

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

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

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

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

Stormwater to be generated by the Proposed Project

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

Wastewater to be generated by the Proposed Project

25. ☐ Wastewater is to be discharged in the contributing zone. Requirements under 30 TAC §213.6(c) relating to Wastewater Treatment and Disposal Systems have been satisfied.

☒ N/A

26. Wastewater will be disposed of by:

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

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

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

☐ Sewage Collection System (Sewer Lines):

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

☐ Existing.

☐ Proposed.

☐ N/A

Permanent Aboveground Storage Tanks(ASTs) ≥ 500 Gallons

Complete questions 27 - 33 if this project includes the installation of AST(s) with volume(s) greater than or equal to 500 gallons.

☒ N/A

27. Tanks and substance stored:

Table 2 - Tanks and Substance Storage

<i>AST Number</i>	<i>Size (Gallons)</i>	<i>Substance to be Stored</i>	<i>Tank Material</i>
1			
2			
3			
4			
5			

Total x 1.5 = _____ Gallons

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

☐ **Attachment G - Alternative Secondary Containment Methods.** Alternative methods for providing secondary containment are proposed. Specifications showing equivalent protection for the Edwards Aquifer are attached.

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

Table 3 - Secondary Containment

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

Total: _____ Gallons

30. Piping:

- ☐ All piping, hoses, and dispensers will be located inside the containment structure.
- ☐ Some of the piping to dispensers or equipment will extend outside the containment structure.
- ☐ The piping will be aboveground
- ☐ The piping will be underground

31. ☐ The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of: _____.

32. ☐ **Attachment H - AST Containment Structure Drawings.** A scaled drawing of the containment structure is attached that shows the following:

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

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

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

Site Plan Requirements

Items 34 - 46 must be included on the Site Plan.

34. ☒ The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 50".
35. 100-year floodplain boundaries:
- ☐ Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
 - ☒ No part of the project site is located within the 100-year floodplain.
- The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): 48091C0105F effective September 2, 2009.
36. ☐ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
- ☒ The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot contour intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, etc. are shown on the site plan.
37. ☒ A drainage plan showing all paths of drainage from the site to surface streams.
38. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.
39. ☒ Areas of soil disturbance and areas which will not be disturbed.
40. ☒ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
41. ☒ Locations where soil stabilization practices are expected to occur.
42. ☐ Surface waters (including wetlands).
- ☒ N/A
43. ☐ Locations where stormwater discharges to surface water.
- ☒ There will be no discharges to surface water.
44. ☐ Temporary aboveground storage tank facilities.

- ☒ Temporary aboveground storage tank facilities will not be located on this site.
45. ☐ Permanent aboveground storage tank facilities.
- ☒ Permanent aboveground storage tank facilities will not be located on this site.
46. ☒ Legal boundaries of the site are shown.

Permanent Best Management Practices (BMPs)

Practices and measures that will be used during and after construction is completed.

47. ☒ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.
- ☐ N/A
48. ☒ These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.
- ☒ The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.
- ☐ A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is: _____.
- ☐ N/A
49. ☒ Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.
- ☐ N/A
50. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.
- ☐ The site will be used for low density single-family residential development and has 20% or less impervious cover.
- ☐ The site will be used for low density single-family residential development but has more than 20% impervious cover.

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

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

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

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

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

52. ☒ **Attachment J - BMPs for Upgradient Stormwater.**

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

☐ No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.

☐ Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.

53. ☒ **Attachment K - BMPs for On-site Stormwater.**

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

☐ Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.

54. ☐ **Attachment L - BMPs for Surface Streams.** A description of the BMPs and measures that prevent pollutants from entering surface streams is attached.

☒ N/A

55. ☒ **Attachment M - Construction Plans.** Construction plans and design calculations for the proposed permanent BMPs and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and

dated. Construction plans for the proposed permanent BMPs and measures are attached and include: Design calculations, TCEQ Construction Notes, all proposed structural plans and specifications, and appropriate details.

☐ N/A

56. ☒ **Attachment N - Inspection, Maintenance, Repair and Retrofit Plan.** A site and BMP specific plan for the inspection, maintenance, repair, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan fulfills all of the following:

- ☒ Prepared and certified by the engineer designing the permanent BMPs and measures
- ☒ Signed by the owner or responsible party
- ☒ Outlines specific procedures for documenting inspections, maintenance, repairs, and, if necessary, retrofit.
- ☒ Contains a discussion of record keeping procedures

☐ N/A

57. ☐ **Attachment O - Pilot-Scale Field Testing Plan.** Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.

☒ N/A

58. ☐ **Attachment P - Measures for Minimizing Surface Stream Contamination.** A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that result in water quality degradation.

☒ N/A

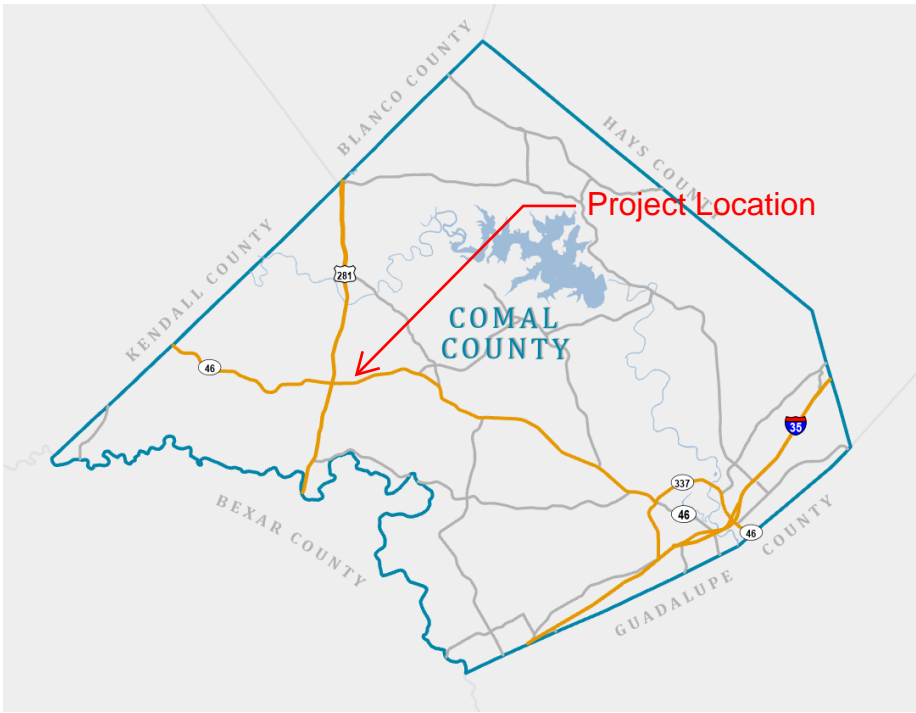
Responsibility for Maintenance of Permanent BMPs and Measures after Construction is Complete.

59. ☒ The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.
60. ☒ A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a

multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

Administrative Information

- 61. ☒ 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.
- 62. ☒ Any modification of this Contributing Zone Plan may require TCEQ review and Executive Director approval prior to construction, and may require submission of a revised application, with appropriate fees.
- 63. ☒ The site description, controls, maintenance, and inspection requirements for the storm water pollution prevention plan (SWPPP) developed under the EPA NPDES general permits for stormwater discharges have been submitted to fulfill paragraphs 30 TAC §213.24(1-5) of the technical report. All requirements of 30 TAC §213.24(1-5) have been met by the SWPPP document.
- ☒ The Temporary Stormwater Section (TCEQ-0602) is included with the application.



SHEET

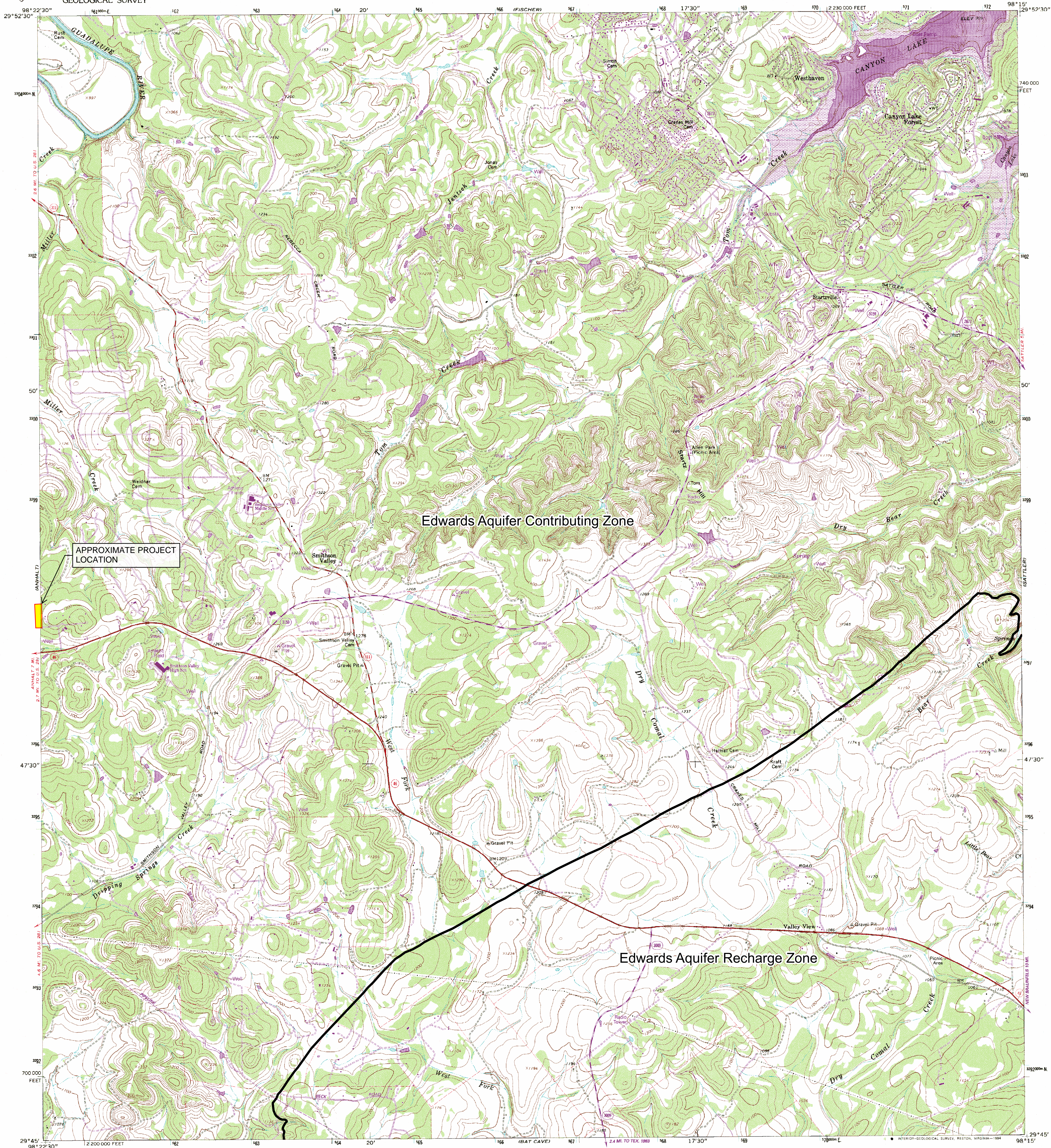
EXH
01

426 MOUNTAIN TOP DRIVE
SPRING BRANCH, TX 78070
VICINITY MAP



TX2 ENGINEERING
FIRM #: 20787
CONTACT
645 FLORAL AVE, STE C
NEW BRAUNFELS, TX 78130
TEL: (816) 510-9151





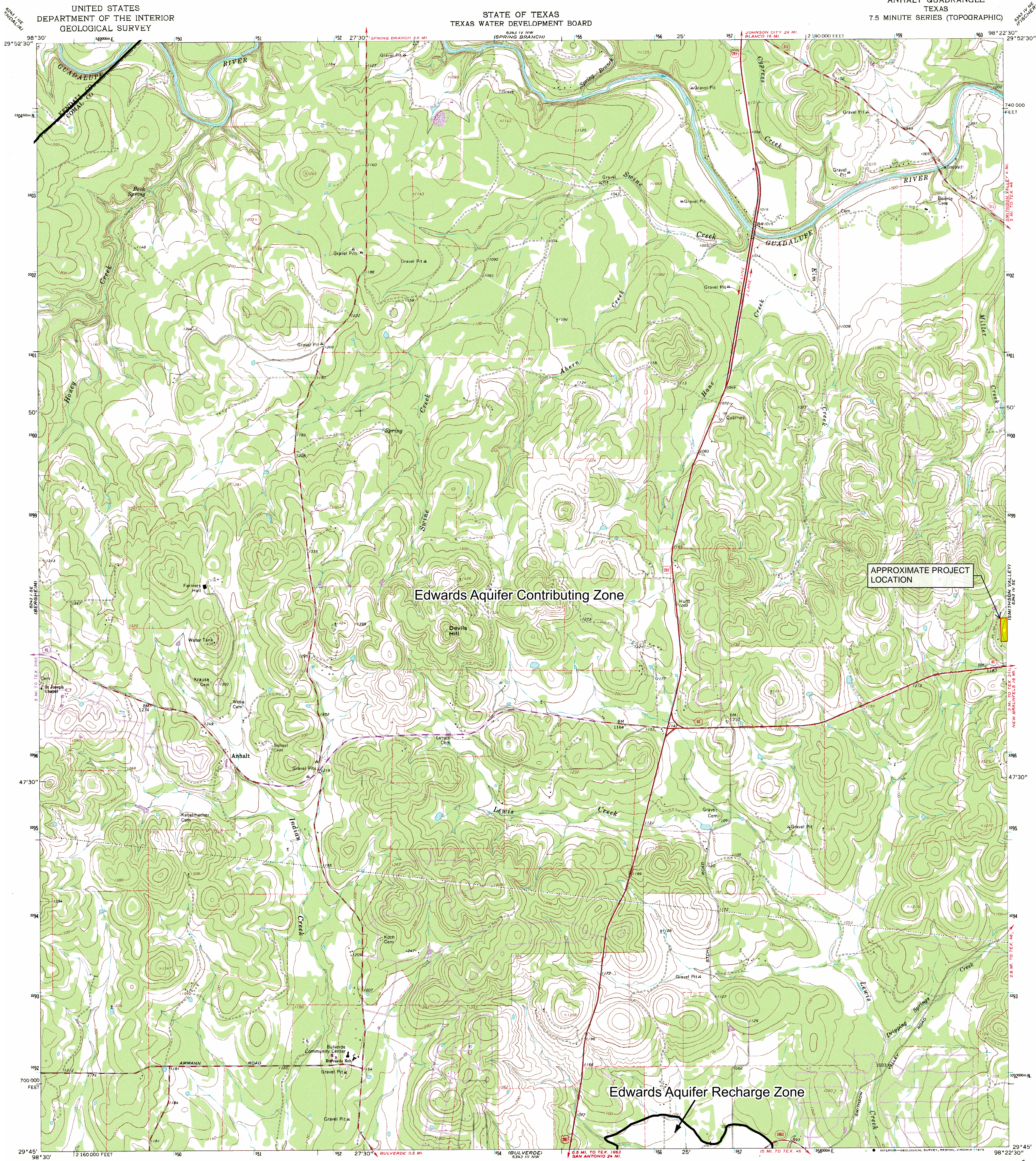
Produced by the United States Geological Survey
in cooperation with the Texas Water Development Board
Control by USGS and NOS/NOAA
Compiled from aerial photographs taken 1963. Revisions shown
in purple compiled from aerial photographs taken 1986 and
other sources and has been field checked. Map edited 1994.
Conflicts may exist between some updated features and previously
mapped contours.
North American Datum of 1927 (NAD 27). Projection and
1000-foot ticks: Texas Coordinate System, south central zone
(Lambert Conformal Conic).
Blue 1000-meter Universal Transverse Mercator ticks, zone 14
North American Datum of 1983 (NAD 83) is shown by dashed
corner ticks. The values of the shift between NAD 27 and NAD 83
for 7.5-minute intersections are obtainable from National Geodetic
Survey NADCON software.
Fine red dashed lines indicate selected fence lines.

UTM GRID and 1984 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

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

QUADRANGLE LOCATION

ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road
Interstate Route
U. S. Route
State Route
SMITHSON VALLEY, TEX.
2909B-G3-1F-024
1964
REVISED 1994
DMA 6343 IV SE-SERIES V882



Mapped, edited, and published by the Geological Survey
Control by USGS and NGS/NOAA
Topography by photogrammetric methods from aerial
photographs taken 1963. Field-checked 1964
Polyconic projection. 1927 North American datum
10,000-foot grid based on Texas coordinate system,
south central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 14, shown in blue
Fine red dashed lines indicate selected fence lines
Areas covered by dashed light-blue pattern
are subject to controlled inundation
Revisions shown in purple compiled from aerial photographs
taken 1973. This information not field checked

UTM GRID AND 1973 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET


SCALE 1:24 000
0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETRE
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

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

ANHALT, TEX.
N2945—W9622 5/7 5
1964
PHOTOREVISED 1973
AMS 6343 IV SW—SERIES V882

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

QUADRANGLE LOCATION



Texas Commission on Environmental Quality
Edwards Aquifer Protection Program

Regulatory Zones

30 TAC Chapter 213- Edwards Aquifer

Effective March 1974

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



CZP Application Attachment C – Project Description

The 426 Mountain Top project is located on a 5.1-acre tract of land in Comal County. This existing site is predominantly undeveloped ranch land with no existing improvements. The property is undeveloped with rocky terrain.

The proposed development is to be a residential multifamily development. The proposed improvements associated with this project include an asphalt access drive, 22 detached single family homes. The total impervious cover proposed for the site is 1.65 acres of the overall 5.1 acres being 32% impervious. The property drains primarily overland to the West side of the property.

The estimated total disturbed area is 4.9 acres. All stormwaters will be treated with temporary BMPs before leaving the site. Temporary BMPs proposed for the site include a construction entrance/ exit, rock berms, concrete washout pits, silt fences, and naturally vegetated buffers.

Engineered vegetative filter strips are proposed permanent BMPs for this project. Sheet flow from the proposed impervious cover will be directed across minimum 15' widths of vegetation graded to a uniform, even slope of less than 20% in order to achieve the 80% TSS removal in accordance with TCEQ RG 348. Available LIDAR topography for the area indicates the existing slopes onsite are less than 20%. All areas not planned to receive impervious cover are planned to be revegetated after construction is complete. All impervious cover will be located within the catchment limits (72' in the direction of flow) of filter strip. The majority of catchment areas will overlap with adjacent catchment areas providing for overtreatment capabilities.



ATTACHMENT D

FACTORS AFFECTING SURFACE WATER QUALITY

Potential sources of pollution that may be expected to affect the quality of storm water discharges from the site during construction include primarily suspended solids with examples as follows:

- Soil erosion due to clearing of site.
- Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings.
- Hydrocarbons from asphalt paving.
- Trash and litter from construction workers and material wrappings.
- Tar, fertilizers, cleaning solvents, detergents, and petroleum-based products.

Potential sources of pollution that may be expected to affect the quality of storm water discharges from the site after development include:

- Oil, grease, fuel and hydraulic fluid contamination from vehicle drippings.
- Dirt and dust from vehicles.
- Trash and litter.



ATTACHMENT E **VOLUME AND CHARACTER OF STORMWATER**

The overall contributing drainage area for this project is 10.5 acres. All stormwater will be routed via overland sheet flow across permanent BMPs. The stormwater runoff for the pre-project conditions are primarily across rocky soil, with native grasses, and dense canopy coverage. The site has an average slope ranging from 1% to 10%. Peak discharges were calculated using the SCS Method. Runoff curve numbers according to Hydrologic Soil Group were taken from the City of New Braunfels Drainage Criteria Manual. Hydrologic Soil Group Report was obtained from the USDA Web Soil Survey website. The existing site is considered to have an average curve number value of 78 consisting of brush-weed-grass mixture with brush the major element and corresponding to Hydrologic Soil Group D. The proposed development will add 1.65 acres of impervious coverage to the existing watershed boundary. A weighted curve number was calculated to determine the volume of stormwater discharged from the site after improvements are constructed.

EXISTING CONDITION - OVERALL WEIGHTED CN

Description	Area (Acres)	CN
Meadow-continuous grass, protected from grazing and generally mowed for hay	10.5	78
Total	67.44	78

PROPOSED CONDITION - OVERALL WEIGHTED CN

Description	Area (Acres)	CN
Paved area, rooftops	1.65	98
Meadow-continuous grass, protected from grazing and generally mowed for hay	8.85	78
Total	10.5	82

STORMWATER DISCHARGE

STORM EVENT	EXISTING CONDITION (CFS)	PROPOSED CONDITION (CFS)	NET CHANGE (CFS)
2YR	19.85	23.29	3.44
10YR	44.48	48.53	4.05
25YR	63.95	68.05	4.1
100YR	101.57	105.41	3.84



COMAL COUNTY

ENGINEER'S OFFICE

September 14, 2023

Mr. Trevor Tast, P.E.
TX2 Engineering
645 Floral Ave, Suite C
New Braunfels, TX 78130

Re: 426 Mountain Top Suitability Letter within Comal County Texas

Dear Mr. Tast:

In accordance with TAC §213.24(8)(B), Comal County has found that the entire referenced site is suitable for the use of private sewage facilities. Our office did receive an On-Site Sewage Facility (OSSF) permit application for the referenced property that is still under review. Pursuant to that review, it may be determined that our office cannot issue an OSSF for the current configuration presented in the OSSF application.

If you have any questions or need additional information, please contact our office.

Sincerely,

Robert Boyd, P.E.
Comal County Assistant Engineer

cc: Donna Eccleston, Comal County Commissioner, Precinct No. 1
Brenda Ritzen, Comal County Environmental Health Coordinator

ArcGIS Web Map



2/1/2023, 5:41:43 AM

Contour 5ft

 Parcels

Addresses

— Contour Line, Major

City ETJs

— Contour Line, Intermediate

Bulverde ETJ

Contour Line, Minor

Streets

1:2,257

0 0.02 0.04 0.09 m

0 0.04 0.07 0.15 km

11. Wet Basins
Designed as Required in RG-348
Pages 3-66 to 3-71
Required capacity of Permanent Pool = NA cubic feet
Required capacity at WQV Elevation = NA cubic feet
Permanent Pool Capacity is 1.20 times the WQV
Total Capacity should be the Permanent Pool Capacity plus a second WQV.

12. Constructed Wetlands
Designed as Required in RG-348
Pages 3-71 to 3-73
Required Water Quality Volume for Constructed Wetlands = NA cubic feet

13. AquaLogic™ Cartridge System
Designed as Required in RG-348
Pages 3-74 to 3-78
Required Sedimentation chamber capacity = NA cubic feet
Filter canisters (FCs) to treat WQV = NA cartridges
Filter basin area (RIA_f) = NA square feet

*** 2005 Technical Guidance Manual (RG-348) does not exempt the required 20% increase with maintenance contract with AquaLogic™.

14. Stormwater Management StormFilter® by CONTECH
Required Water Quality Volume for Contech StormFilter System = NA cubic feet

THE SIZING REQUIREMENTS FOR THE FOLLOWING BMPs / LOAD REMOVALS ARE BASED UPON FLOW RATES - NOT CALCULATED WATER QUALITY VOLUMES

15. Grassy Swales
Designed as Required in RG-348
Pages 3-51 to 3-54
Design parameters for the swale:

Drainage Area to be Treated by the Swale = A = 8.00 acres
Impervious Cover in Drainage Area = 4.00 acres
Rainfall intensity = i = 1.1 in/hr
Swale Slope = 0.01 ft/ft
Side Slope (z) = 3
Design Water Depth = y = 0.33 ft
Weighted Runoff Coefficient = C = 0.54
A_{CS} = cross-sectional area of flow in Swale = 13.17 sf
P_W = Wetted Perimeter = 40.62 feet
R_H = hydraulic radius of flow cross-section = A_{CS}/P_W = 0.32 feet
n = Manning's roughness coefficient = 0.2

15A. Using the Method Described in the RG-348

Manning's Equation: $Q = \frac{1.49}{n} A_{CS} R_H^{2/3} S^{0.5}$
n =
b = $\frac{0.134 \times Q}{y^{4/3} S^{0.5}}$ = 38.51 feet
Q = CIA = 4.71 cfs

To calculate the flow velocity in the swale:

V (Velocity of Flow in the swale) = Q/A_{CS} = 0.36 ft/sec

To calculate the resulting swale length:

L = Minimum Swale Length = V (ft/sec) * 300 (sec) = 107.24 feet

If any of the resulting values do not meet the design requirement set forth in RG-348, the design parameters must be modified and the solver rerun.

15B. Alternative Method using Excel Solver

Design Q = CIA = 4.71 cfs
Manning's Equation Q = 0.76 cfs
Swale Width = 6.00 ft
Error 1 = 3.95

Instructions are provided to the right (green comments).

Flow Velocity = 0.36 ft/s
Minimum Length = 107.24 ft

Instructions are provided to the right (blue comments).

Design Width = 6 ft
Design Discharge = 0.76 cfs
Design Depth = 0.33 ft
Flow Velocity = 0.32 cfs
Minimum Length = 97.48 ft
Error 2 = 3.95

If any of the resulting values do not meet the design requirement set forth in RG-348, the design parameters may be modified and the solver rerun.
If any of the resulting values still do not meet the design requirement set forth in RG-348, widening the swale bottom value may not be possible.

16. Vegetated Filter Strips
Designed as Required in RG-348
Pages 3-55 to 3-57
There are no calculations required for determining the load or size of vegetative filter strips.

The 80% removal is provided when the contributing drainage area does not exceed 72 feet (direction of flow) and the sheet flow leaving the impervious cover is directed across 15 feet of engineered filter strips with maximum slope of 20% or across 50 feet of natural vegetation with a maximum slope of 10%. There can be a break in grade as long as no slope exceeds 20%.

If vegetative filter strips are proposed for an interim permanent BMP, they may be sized as described on Page 3-56 of RG-348.

17. Wet Vaults
Designed as Required in RG-348
Pages 3-30 to 3-32 & 3-79
Required Load Removal Based upon Equation 3.3 = NA lbs

First calculate the load removal at 1.1 in/hour

RG-348 Page 3-30 Equation 3.4: Q = CIA
C = runoff coefficient for the drainage area = 0.09
i = design rainfall intensity = 1.1 in/hour
A = drainage area in acres = 1
Q = flow rate in cubic feet per second = 0.10 cubic feet/sec
RG-348 Page 3-31 Equation 3.5: V_{OH} = Q/A
Q = Runoff rate calculated above = 0.10 cubic feet/sec
A = Water surface area in the wet vault = 150 square feet
V_{OH} = Overflow Rate = 0.00 feet/sec
Percent TSS Removal from Figure 3-1 (RG-348 Page 3-31) = 53 percent
Load removed by Wet Vault = #VALUE! lbs
C = Runoff Coefficient = 0.546 (IC)² + 0.328 (IC) + 0.03
Actual Rainfall Intensity at which Wet Vault Bypass Occurs = 0.5 in/hour
Fraction of rainfall treated from Figure 3-2 RG-348 Page 3-32 = 0.75 percent
Efficiency Reduction for Actual Rainfall Intensity = 0.83 percent
Resultant TSS Load removed by Wet Vault = #VALUE! lbs

If a bypass occurs at a rainfall intensity of less than 1.1 in/hours
Calculate the efficiency reduction for the actual rainfall intensity rate

18. Permeable Concrete
Designed as Required in RG-348
Pages 3-79 to 3-83
PERMEABLE CONCRETE MAY ONLY BE USED ON THE CONTRIBUTING ZONE

19. BMPs Installed in a Series
Designed as Required in RG-348
Pages 3-32

To solve for bottom width of the trapezoidal swale (b) using the Excel solver:
Excel can simultaneously solve the "Design Q" (C217) vs "Manning's Q" (C219) by varying the "Swale Width" (C220).
The required "Swale Width" occurs when the "Design Q" = "Manning's Q"

First, highlight Cell F219 (Error 1 value). The equation showing in the fx screen for Cell F219 should be "= \$C\$217-\$C\$219"
Then click on "Tools" and "Solver". The "Solver Parameters" screen pops up.
The value in the "Set Target cell" should be \$F\$219 "Error 1"
The value in the "By Changing Cells" should be \$C\$220 "Swale Width"
Click on solve.

The resulting "Swale Width" must be less than 10 feet to meet the requirements of the TGM.
If the resulting "Swale Width" exceeds 10 feet then the design parameters must be revised and the solver run again.

If there is not the option for "Solver" under "Tools"
Click on "Tools" and "Add-In" and then check "Solver Add-In"
Then proceed as instructed above.

If you would like to increase the bottom width of the trapezoidal swale (b):
Excel can simultaneously solve the "Design Q" (C217) vs "Design Discharge" (C232) by varying the "Design Depth" (C233).
The required "Design Depth" for a 10-foot bottom width occurs when the "Design Q" (C217) = the "Design Discharge" (C232).

First set the desired bottom width in Cell C231.
Highlight Cell F232. The equation showing in the fx screen for Cell F232 should be "= \$C\$217-\$C\$232"

Click on "Tools" and "Solver". The "Solver Parameters" screen pops up.
The value in the "Set Target cell" should be \$F\$232 "Error 2"
The value in the "By Changing Cells" should be \$C\$233 "Design Depth"
Click on solve.

The resulting "Design Depth" must be equal to or less than 0.33 feet to meet the requirements of the TGM.
If the resulting "Design Depth" exceeds 0.33 feet then the design parameters must be revised and the solver run again.
First set the desired bottom width in Cell C231.
Highlight Cell F232. The equation showing in the fx screen for Cell F232 should be "= \$C\$217-\$C\$232"

Click on "Tools" and "Solver". The "Solver Parameters" screen pops up.
The value in the "Set Target cell" should be \$F\$232 "Error 2"
The value in the "By Changing Cells" should be \$C\$233 "Design Depth"
Click on solve.

The resulting "Design Depth" must be equal to or less than 0.33 feet to meet the requirements of the TGM.
If the resulting "Design Depth" exceeds 0.33 feet then the design parameters must be revised and the solver run again.



09/18/2023

Michael E. Barrett, Ph.D., P.E. recommended that the coefficient for E_2 be changed from 0.5 to 0.65 on May 3, 2006

$E_{TOT} = [1 - ((1 - E_1) \times (1 - 0.65E_2) \times (1 - 0.25E_3))] \times 100 =$ 86.38 percent NET EFFICIENCY OF THE BMPs IN THE SERIES
 EFFICIENCY OF FIRST BMP IN THE SERIES = $E_1 =$ 75.00 percent
 EFFICIENCY OF THE SECOND BMP IN THE SERIES = $E_2 =$ 70.00 percent
 EFFICIENCY OF THE THIRD BMP IN THE SERIES = $E_3 =$ 0.00 percent
 THEREFORE, THE NET LOAD REMOVAL WOULD BE:
 (A_1 AND A_2 VALUES ARE FROM SECTION 3 ABOVE)
 $L_{10} = E_{TOT} \times P \times (A_1 \times 34.6 \times A_2 \times 0.54) =$ 1632.67 lbs

20. Stormceptor

Required TSS Removal in BMP Drainage Area = NA lbs
 Impervious Cover Overreatment = 0.0000 ac
 TSS Removal for Uncaptured Area = 0.00 lbs
 BMP Sizing
 Effective Area = NA EA
 Calculated Model Size(s) = #N/A
 Actual Model Size (if multiple values provided in Calculated Model Size or if you are choosing a larger model size) = 0 Model Size
 Surface Area = #N/A ft²
 Overflow Rate = #VALUE! V_u
 Rounded Overflow Rate = #VALUE! V_u
 BMP Efficiency % = #VALUE! %
 L₁₀ Value = #VALUE! lbs
 TSS Load Credit = #VALUE! lbs
 Is Sufficient Treatment Available? (TSS Credit ≥ TSS Uncapt.) #VALUE!
 TSS Treatment by BMP (LM + TSS Uncapt.) = #VALUE!

21. Vortech

Required TSS Removal in BMP Drainage Area = NA lbs
 Impervious Cover Overreatment = 0.0000 ac
 TSS Removal for Uncaptured Area = 0.00 lbs
 BMP Sizing
 Effective Area = NA EA
 Calculated Model Size(s) = #N/A
 Actual Model Size (if choosing larger model size) = Vx1000 Pick Model Size
 Surface Area = 7.10 ft²
 Overflow Rate = #VALUE! V_u
 Rounded Overflow Rate = #VALUE! V_u
 BMP Efficiency % = #VALUE! %
 L₁₀ Value = #VALUE! lbs
 TSS Load Credit = #VALUE! lbs
 Is Sufficient Treatment Available? (TSS Credit ≥ TSS Uncapt.) #VALUE!
 TSS Treatment by BMP (LM + TSS Uncapt.) = #VALUE!



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

Characters shown in red are data entry fields.

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

1. The Required Load Reduction for the total project:

Calculations from RG-348

Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_{dt} = 27.2(A_{dt} \times P)$

where:

L_{dt} TOTAL PROJECT = Required TSS removal resulting from the proposed development = 80% of increased load
 A_{dt} = Net increase in impervious area for the project
 P = Average annual precipitation, inches

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

County =	Comal
Total project area included in plan =	5.10 acres
Predevelopment impervious area within the limits of the plan =	0.00 acres
Total post-development impervious area within the limits of the plan =	1.65 acres
Total post-development impervious cover fraction =	0.32
P =	33 inches

 L_{dt} TOTAL PROJECT = 1481 lbs.

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

Number of drainage basins / outfalls areas leaving the plan area = 1

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

Drainage Basin/Outfall Area No. =	1
Total drainage basin/outfall area =	10.51 acres
Predevelopment impervious area within drainage basin/outfall area =	0.00 acres
Post-development impervious area within drainage basin/outfall area =	1.65 acres
Post-development impervious fraction within drainage basin/outfall area =	0.16
L_{dt} THIS BASIN =	1481 lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Vegetated Filter Strips
Removal efficiency = 85 percent

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

4. Calculate Maximum TSS Load Removed (L_r) for this Drainage Basin by the selected BMP Type.RG-348 Page 3-33 Equation 3.7: $L_r = (\text{BMP efficiency}) \times P \times (A \times 34.6 + A_p \times 0.54)$

where:

A_{dt} = Total On-Site drainage area in the BMP catchment area
 A_i = Impervious area proposed in the BMP catchment area
 A_p = Pervious area remaining in the BMP catchment area
 L_r = TSS Load removed from this catchment area by the proposed BMP

A_{dt} =	2.00 acres
A_i =	1.65 acres
A_p =	0.35 acres
L_r =	1607 lbs

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

Desired L_{dt} THIS BASIN = 3482 lbs.
F = 2.17

6. Calculate Capture Volume required by the BMP Type for this drainage basin / outfall area.

Calculations from RG-348

Pages 3-34 to 3-36

Rainfall Depth =	4.00 inches
Post Development Runoff Coefficient =	0.66
On-site Water Quality Volume =	19158 cubic feet

Calculations from RG-348 Pages 3-36 to 3-37

Off-site area draining to BMP =	0.00 acres
Off-site Impervious cover draining to BMP =	0.00 acres
Impervious fraction of off-site area =	0
Off-site Runoff Coefficient =	0.60
Off-site Water Quality Volume =	0 cubic feet

Total Capture Volume (required water quality volume(s) x 1.20) = 22990 cubic feet
The following sections are used to calculate the required water quality volume(s) for the selected BMP.
The values for BMP Types not selected in cell C45 will show NA.

7. Retention/Irrigation System

Designed as Required in RG-348

Pages 3-42 to 3-46

Required Water Quality Volume for retention basin = NA cubic feet

Irrigation Area Calculations:

Soil infiltration/permeability rate =	0.1 in/hr	Enter determined permeability rate or assumed value of 0.1
Irrigation area =	NA square feet	
	NA acres	

8. Extended Detention Basin System

Designed as Required in RG-348

Pages 3-46 to 3-51

Required Water Quality Volume for extended detention basin = NA cubic feet

9. Filter area for Sand Filters

Designed as Required in RG-348

Pages 3-58 to 3-63

9A. Full Sedimentation and Filtration System

Water Quality Volume for sedimentation basin =	NA cubic feet	
Minimum filter basin area =	NA square feet	
Maximum sedimentation basin area =	NA square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	NA square feet	For maximum water depth of 8 feet

9B. Partial Sedimentation and Filtration System

Water Quality Volume for combined basins =	NA cubic feet	
Minimum filter basin area =	NA square feet	
Maximum sedimentation basin area =	NA square feet	For minimum water depth of 2 feet
Minimum sedimentation basin area =	NA square feet	For maximum water depth of 8 feet

10. Bioretention System

Designed as Required in RG-348

Pages 3-63 to 3-65

Required Water Quality Volume for Bioretention Basin = NA cubic feet

11. Wet Basins	Designed as Required in RG-348	Pages 3-66 to 3-71
Required capacity of Permanent Pool =	NA	cubic feet
Required capacity at WQV Elevation =	NA	cubic feet
		Permanent Pool Capacity is 1.20 times the WQV Total Capacity should be the Permanent Pool Capacity plus a second WQV.

12. Constructed Wetlands	Designed as Required in RG-348	Pages 3-71 to 3-73
Required Water Quality Volume for Constructed Wetlands =	NA	cubic feet

13. AquaLogic™ Cartridge System	Designed as Required in RG-348	Pages 3-74 to 3-78
*** 2005 Technical Guidance Manual (RG-348) does not exempt the required 20% increase with maintenance contract with AquaLogic™.		
Required Sedimentation chamber capacity =	NA	cubic feet
Filter canisters (FCs) to treat WQV =	NA	cartridges
Filter basin area (RIA _f) =	NA	square feet

14. Stormwater Management StormFilter® by CONTECH		
Required Water Quality Volume for Contech StormFilter System =	NA	cubic feet

THE SIZING REQUIREMENTS FOR THE FOLLOWING BMPs / LOAD REMOVALS ARE BASED UPON FLOW RATES - NOT CALCULATED WATER QUALITY VOLUMES

15. Grassy Swales	Designed as Required in RG-348	Pages 3-51 to 3-54
Design parameters for the swale:		

Drainage Area to be Treated by the Swale = A =	8.00 acres
Impervious Cover in Drainage Area =	4.00 acres
Rainfall intensity = i =	1.1 in/hr
Swale Slope =	0.01 ft/ft
Side Slope (z) =	3
Design Water Depth = y =	0.33 ft
Weighted Runoff Coefficient = C =	0.54
A _{CS} = cross-sectional area of flow in Swale =	13.17 sf
P _W = Wetted Perimeter =	40.62 feet
R _H = hydraulic radius of flow cross-section = A _{CS} /P _W =	0.32 feet
n = Manning's roughness coefficient =	0.2

15A. Using the Method Described in the RG-348

Manning's Equation:	$Q = \frac{1.49}{n} A_{CS} R_H^{2/3} S^{0.5}$
$b = \frac{0.134 \times Q}{y^{4/3} S^{0.5}}$	38.51 feet
Q = CIA =	4.71 cfs

To calculate the flow velocity in the swale:

V (Velocity of Flow in the swale) = Q/A _{CS} =	0.36 ft/sec
---	-------------

To calculate the resulting swale length:

L = Minimum Swale Length = V (ft/sec) * 300 (sec) =	107.24 feet
---	-------------

If any of the resulting values do not meet the design requirement set forth in RG-348, the design parameters must be modified and the solver rerun.

15B. Alternative Method using Excel Solver

Design Q = CIA =	4.71 cfs		
Manning's Equation Q =	0.76 cfs	Error 1 =	3.95
Swale Width =	6.00 ft		
Instructions are provided to the right (green comments).			
Flow Velocity	0.36 ft/s		
Minimum Length =	107.24 ft		
Instructions are provided to the right (blue comments).			
Design Width =	6 ft		
Design Discharge =	0.76 cfs	Error 2 =	3.95
Design Depth =	0.33 ft		
Flow Velocity =	0.32 cfs		
Minimum Length =	97.46 ft		

If any of the resulting values do not meet the design requirement set forth in RG-348, the design parameters may be modified and the solver rerun.
If any of the resulting values still do not meet the design requirement set forth in RG-348, widening the swale bottom value may not be possible.

16. Vegetated Filter Strips	Designed as Required in RG-348	Pages 3-55 to 3-57
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There are no calculations required for determining the load or size of vegetative filter strips.
The 80% removal is provided when the contributing drainage area does not exceed 72 feet (direction of flow) and the sheet flow leaving the impervious cover is directed across 15 feet of engineered filter strips with maximum slope of 20% or across 50 feet of natural vegetation with a maximum slope of 10%. There can be a break in grade as long as no slope exceeds 20%.

If vegetative filter strips are proposed for an interim permanent BMP, they may be sized as described on Page 3-56 of RG-348.

17. Wet Vaults	Designed as Required in RG-348	Pages 3-30 to 3-32 & 3-79
Required Load Removal Based upon Equation 3.3 =	NA	lbs

First calculate the load removal at 1.1 in/hour

RG-348 Page 3-30 Equation 3.4: Q = CIA		
C = runoff coefficient for the drainage area =	0.09	C = Runoff Coefficient = 0.546 (IC) ² + 0.328 (IC) + 0.03
i = design rainfall intensity =	1.1 in/hour	
A = drainage area in acres =	1 acres	
Q = flow rate in cubic feet per second =	0.10 cubic feet/sec	
RG-348 Page 3-31 Equation 3.5: V _{0H} = Q/A		
Q = Runoff rate calculated above =	0.10 cubic feet/sec	
A = Water surface area in the wet vault =	150 square feet	
V _{0H} = Overflow Rate =	0.00 feet/sec	
Percent TSS Removal from Figure 3-1 (RG-348 Page 3-31) =	53 percent	
Load removed by Wet Vault =	#VALUE!	lbs
If a bypass occurs at a rainfall intensity of less than 1.1 in/hours Calculate the efficiency reduction for the actual rainfall intensity rate		
Actual Rainfall Intensity at which Wet Vault bypass Occurs =	0.5 in/hour	
Fraction of rainfall treated from Figure 3-2 RG-348 Page 3-32 =	0.75 percent	
Efficiency Reduction for Actual Rainfall Intensity =	0.83 percent	
Resultant TSS Load removed by Wet Vault =	#VALUE!	lbs

18. Permeable Concrete	Designed as Required in RG-348	Pages 3-79 to 3-83
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PERMEABLE CONCRETE MAY ONLY BE USED ON THE CONTRIBUTING ZONE

19. BMPs Installed in a Series	Designed as Required in RG-348	Pages 3-32
---------------------------------------	--------------------------------	------------

To solve for bottom width of the trapezoidal swale (b) using the Excel solver:
Excel can simultaneously solve the "Design Q" (C217) vs "Manning's Q" (C219) by varying the "Swale Width" (C220).
The required "Swale Width" occurs when the "Design Q" = "Manning's Q"

First, highlight Cell F219 (Error 1 value). The equation showing in the fx screen for Cell F219 should be "= \$C\$217-\$C\$219"
Then click on "Tools" and "Solver". The "Solver Parameters" screen pops up.
The value in the "Set Target cell" should be \$F\$219 "Error 1"
The value in the "By Changing Cells" should be \$C\$220 "Swale Width"
Click on solve.

The resulting "Swale Width" must be less than 10 feet to meet the requirements of the TGM.
If the resulting "Swale Width" exceeds 10 feet then the design parameters must be revised and the solver run again.

If there is not the option for "Solver" under "Tools"
Click on "Tools" and "Add Ins" and then check "Solver Add-In"
Then proceed as instructed above.

If you would like to increase the bottom width of the trapezoidal swale (b):
Excel can simultaneously solve the "Design Q" (C217) vs "Design Discharge" (C232) by varying the "Design Depth" (C233).
The required "Design Depth" for a 10-foot bottom width occurs when the "Design Q" (C217) = the "Design Discharge" (C232).

First set the desired bottom width in Cell C231.
Highlight Cell F232. The equation showing in the fx screen for Cell F232 should be "= \$C\$217-\$C\$232"

Click on "Tools" and "Solver". The "Solver Parameters" screen pops up.
The value in the "Set Target cell" should be \$F\$232 "Error 2"
The value in the "By Changing Cells" should be \$C\$233 "Design Depth"
Click on solve.

The resulting "Design Depth" must be equal to or less than 0.33 feet to meet the requirements of the TGM.
If the resulting "Design Depth" exceeds 0.33 feet then the design parameters must be revised and the solver run again.
First set the desired bottom width in Cell C231.

Highlight Cell F232. The equation showing in the fx screen for Cell F232 should be "= \$C\$217-\$C\$232"
Click on "Tools" and "Solver". The "Solver Parameters" screen pops up.
The value in the "Set Target cell" should be \$F\$232 "Error 2"
The value in the "By Changing Cells" should be \$C\$233 "Design Depth"
Click on solve.

The resulting "Design Depth" must be equal to or less than 0.33 feet to meet the requirements of the TGM.
If the resulting "Design Depth" exceeds 0.33 feet then the design parameters must be revised and the solver run again.

Michael E. Barrett, Ph.D., P.E. recommended that the coefficient for E_2 be changed from 0.5 to 0.65 on May 3, 2006

$E_{TOT} = [1 - ((1 - E_1) \times (1 - 0.65E_2) \times (1 - 0.25E_3))] \times 100 =$ 86.38 percent NET EFFICIENCY OF THE BMPs IN THE SERIES

EFFICIENCY OF FIRST BMP IN THE SERIES = $E_1 =$ 75.00 percent

EFFICIENCY OF THE SECOND BMP IN THE SERIES = $E_2 =$ 70.00 percent

EFFICIENCY OF THE THIRD BMP IN THE SERIES = $E_3 =$ 0.00 percent

THEREFORE, THE NET LOAD REMOVAL WOULD BE:
(A_1 AND A_p VALUES ARE FROM SECTION 3 ABOVE)

$L_k = E_{TOT} \times P \times (A_1 \times 34.6 \times A_p \times 0.54) =$ 1632.67 lbs

20. Stormceptor

Required TSS Removal in BMP Drainage Area= **NA** lbs
Impervious Cover Overtreatment= **0.0000** ac
TSS Removal for Uncaptured Area = **0.00** lbs

BMP Sizing

Effective Area = **NA** EA
Calculated Model Size(s) = **#N/A**

Actual Model Size (if multiple values provided in Calculated Model Size or if you are choosing a larger model size) = **0** Model Size

Surface Area = **#N/A** ft²
Overflow Rate = **#VALUE!** V_u
Rounded Overflow Rate = **#VALUE!** V_u
BMP Efficiency % = **#VALUE!** %
L_k Value = **#VALUE!** lbs

TSS Load Credit = **#VALUE!** lbs

Is Sufficient Treatment Available? (TSS Credit ≥ TSS Uncapt.) **#VALUE!**

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

21. Vortech

Required TSS Removal in BMP Drainage Area= **NA** lbs
Impervious Cover Overtreatment= **0.0000** ac
TSS Removal for Uncaptured Area = **0.00** lbs

BMP Sizing

Effective Area = **NA** EA
Calculated Model Size(s) = **#N/A**

Actual Model Size (if choosing larger model size) = **Vx1000** Pick Model Size

Surface Area = **7.10** ft²
Overflow Rate = **#VALUE!** V_u
Rounded Overflow Rate = **#VALUE!** V_u
BMP Efficiency % = **#VALUE!** %
L_k Value = **#VALUE!** lbs

TSS Load Credit = **#VALUE!** lbs

Is Sufficient Treatment Available? (TSS Credit ≥ TSS Uncapt.) **#VALUE!**

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

Contributing Zone Plan Application - Attachment I

20% or Less Impervious Cover Waiver

Not Applicable

Contributing Zone Plan Application - Attachment J

BMPs for Upgradient Stormwater

Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site because the upgradient stormwater is directed across natural vegetation prior to entering the project site.

Contributing Zone Plan Application - Attachment K

BMPs for On-Site Stormwater

Engineered Vegetative Filter Strips will be constructed to prevent pollution of surface water or groundwater that originates on-site or flows off site. The BMPs will be constructed in accordance with TCEQ Technical Guidance Manual RG-348 which states 80% TSS removal is provided by vegetative filter strips when the contributing drainage area does not exceed 72 feet (direction of flow) and the sheet flow leaving the impervious cover is directed across 15 feet of engineered filter strips with maximum slope of 20%.

Contributing Zone Plan Application - Attachment L

BMPs for Surface Streams

NOT APPLICABLE

Contributing Zone Plan Application - Attachment M

Construction Plans

BMPs and TSS Removal Calculation shown on attached site plan.

Contributing Zone Plan Application - Attachment N

Inspection, Maintenance, Repair and Retrofit Plan

The party responsible for the maintenance of the filter strip shall develop an Integrated Pest Management (IPM) for the filter strip area.

Pest Management: An integrated Pest Management (IPM) Plan should be developed for vegetated areas. The plan shall specify how problem insects and weeds will be controlled with minimal or no use of insecticides and herbicides.

Seasonal Mowing and Lawn Care: If the filter strip is made up of turf grass, it should be mowed as needed to limit vegetation height to 18 inches, using a mulching mower (or removal of clippings). If native grasses are used, the filter may require less frequent mowing, but a minimum of twice annually. Grass clippings and brush debris should not be deposited on vegetated filter strip areas. Regular mowing should also include weed control practices; however, herbicide use should be kept to a minimum.

Inspection: Inspect filter strips at least twice annually for erosion or damage to vegetation; however, additional inspection after periods of heavy runoff shall be made. The strip shall be checked for uniformity of grass cover, debris and litter, and areas of sediment accumulation. More frequent inspections of the grass cover during the first few years after establishment will help to determine if any problems are developing, and to plan for long-term restorative maintenance needs. Bare spots and areas of erosion identified during semi-annual inspections must be replanted and restored to meet specifications. After all inspections results shall be written and records maintained and made available upon request by TCEQ officials.

Debris and Litter Removal: The filter strip shall be kept free of trash and accumulation to reduce floatables being flushed downstream, and for aesthetic reasons. The need for this practice is determined through periodic inspection but should be performed no less than 4 times per year.

Sediment Removal: Sediment removal is not normally required in filter strips since the vegetation normally grows through it and binds to the soil. However, sediment may accumulate along the upstream boundary of the strip preventing uniform overland flow. Excess sediment shall be removed by hand or with flat-bottomed shovels.

Grass Reseeding and Mulching: A healthy dense grass shall be maintained on the filter strip. If areas are eroded, they should be filled, compacted, and reseeded so that the final grade is level. Grass damaged during the sediment removal process shall be promptly replaced using the same seed mix used during filter strip establishment. If possible, flow should be diverted from the damaged areas until the grass is firmly established. Bare spots and areas of erosion identified during semi-annual inspections must be replanted and restored to meet specifications. Corrective maintenance, such as weeding, or replanting should be done more frequently in the first two to three years after installation to ensure stabilization. Dense vegetation may require irrigation immediately after planting, and during particularly dry periods, particularly as the vegetation is initially established.

General Information

Upon transfer of ownership or maintenance responsibility, the seller must inform the buyer of all requirements of the BMP maintenance. TCEQ must be notified and receive the form "TCEQ-10623 Change in Responsibility for Maintenance on Permanent Best Management Practices and Measures". In addition, TCEQ shall receive a signed, dated copy of this maintenance plan from the new owner.

An amended copy of this document will be provided to the Texas Commission on Environmental Quality within thirty (30) days of any changes in the following information.

Responsible Party for Maintenance

550 MRR

Address

City, State, Zip

Telephone Number

Signature of Representative

Print Name

Contributing Zone Plan Application - Attachment O

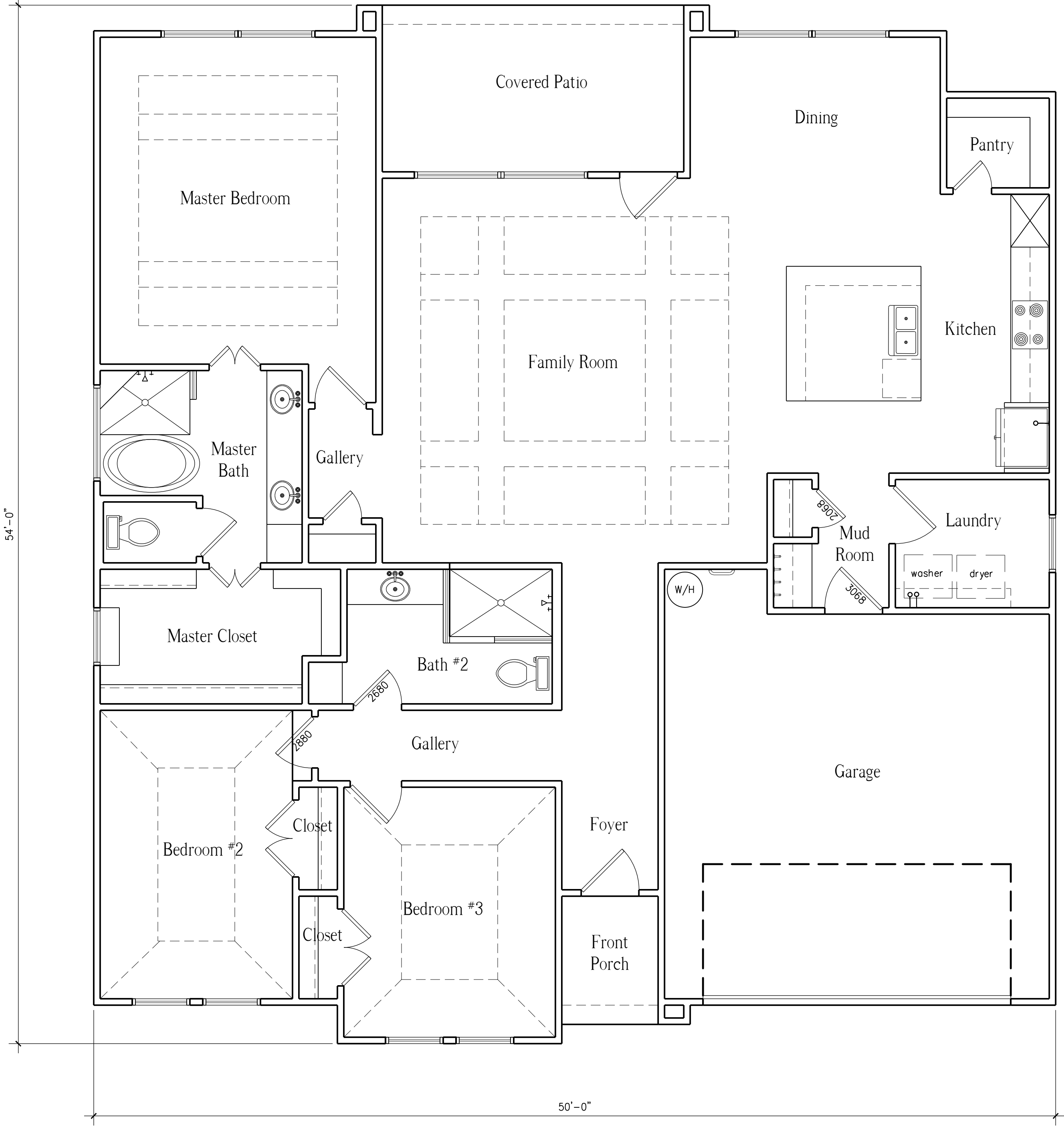
Pilot -Scale Field Testing Plan

NOT APPLICABLE



FLOOR PLAN - 1857 SF

SCALE: 1/4" = 1'-0"



FLOOR PLAN - 1968 SF

SCALE: 1/4" = 1'-0"

426 Mountain Top

COMAL COUNTY, TEXAS

MICHAEL CORTEZ
DESIGN GROUP
(210) 860-6920

Everview Homes Plan 1968

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DESIGN GROUP ARE NOT TO BE REPRODUCED, TRACED OR REUSED
WITHOUT WRITTEN PERMISSION FROM MICHAEL CORTEZ

DATE: 05-18-2022

SHEET

A-1

NOTE: ELEVATIONS SHOWN BASED ON GPS DATUM;
CONTROL POINT ON THE SOUTH PROPERTY CORNER OF
THE CUL-DE-SAC ESTABLISHED AT ELEVATION 1270.78'.

LOT 11
5.149 ACRES

LOT 12
20.92 ACRES
DR. PUIG

LOT 20
5.149 ACRES

BOUNDARIES AND DISTANCES:
 - Top Left: N85°12'00"E 257.70'
 - Top Right: S04°48'00"E 257.63'
 - Right Side: S04°48'15"E 10' P.U.E.
 - Bottom Right: S04°48'00"E 895.00'
 - Bottom: N85°18'00"E 171.04'
 - Bottom Left: N85°12'00"E 171.20'
 - Left Side: S07°01'00"E 945.69'
 - Far Left: S07°01'00"E 10' P.U.E.

FEATURES:
 - 10' P.U.E. (Public Utility Easement)
 - CUL-DE-SAC
 - MOUNTAIN TOP DR
 - FOUND MAG NAIL
 - MAG NAIL=1270.78
 - EDGE OF ASPHALT

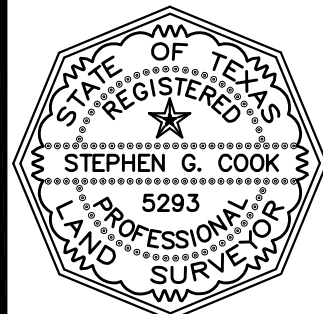
GEOMETRIC DATA:
 $\Delta = 90^\circ 25' 46''$
 $R = 50.00$
 $L = 78.91$
 $T = 50.38$
 $\Delta = 89^\circ 54' 06''$
 $R = 50.00$
 $L = 78.45$
 $T = 49.91$

* - 1/2" IRON ROD FOUND

<div>LEGEND</div>		N45°00'00"E 100.00'		RECORD INFORMATION		S45°00'00"W 100.00'		AS MEASURED IN FIELD		○ PROPERTY CORNER ○ MONUMENTATION		○ GUARD ○ SET		← WATER FLOW		X100.00 100.00		ELEVATION DATA		● CLEAN OUT					
										X WIRE FENCE		— WOOD FENCE		○ IRON FENCE		◇ CHAIN LINK FENCE		(S) SAN. SEWER MANHOLE							
<div>TREE</div>	<div>CONC. CURB</div>	<div>RETAINING WALL</div>		<div>FIRE HYDRANT</div>		<div>AC AC</div>		<div>TRANSFORMER</div>		<div>ELECTRIC BOX</div>		<div>TELEPHONE PEDESTAL</div>		<div>CABLE TV BOX</div>		<div>WATER METER</div>		<div>POWER POLE</div>		<div>WATER VALVE</div>		<div>LIGHT POST</div>		<div>OHE OVERHEAD ELECTRIC LINE</div>	

ADDRESS 426 MOUNTAIN TOP LOT(S) 11 BLOCK — N.C.B. — SUBDIVISION RIDGEVIEW OAKS—EAST
VOLUME 3 PAGE 30 DOC# — OF THE MAP & PLAT RECORDS OF COMAL COUNTY.
WITNESS MY HAND AND SEAL THIS 13th DAY OF JULY, 2017 BUYER EVERVIEW HOMES GF# TXT1—9888643

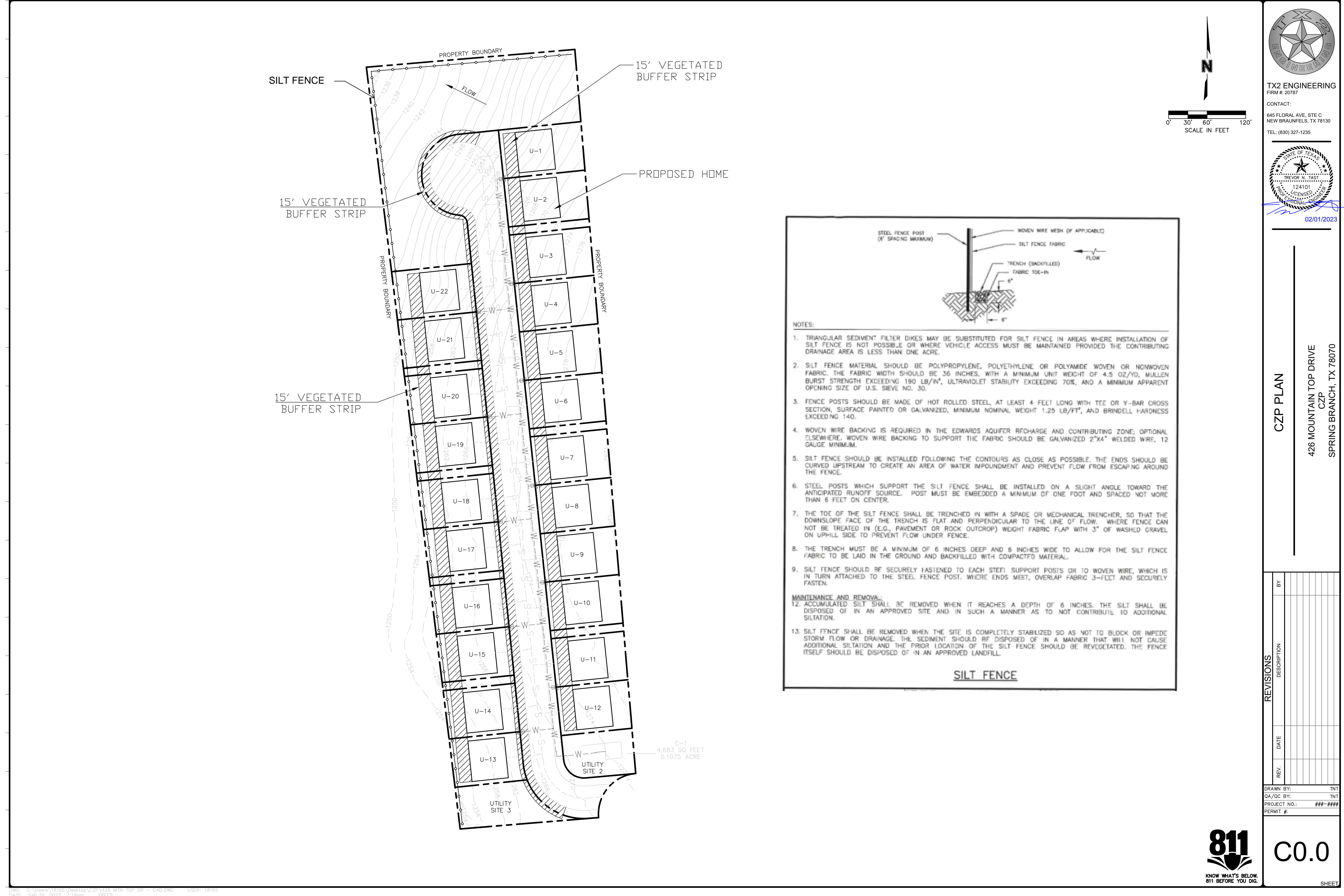
STEPHEN G. COOK, R.P.I.S.



180-218-001
SGCE JOB NO#
E.S. J.P.A.
DRAWN BY SURV. BY
DISK CADD/W



STEPHEN G. COOK ENGINEERING, INC. 12000 STARCREST, SUITE 107
REGISTERED LAND SURVEYORS SAN ANTONIO, TEXAS 78247-4117
TBPE FIRM # F-184 210/481-2533 * FAX: 210/481-2150
TBPLS # 10005400 WWW.SGCE.NET



TX2 ENGINEERING
FIRM #: 20787

CONTACT:
645 FLORAL AVE, STE C
NEW BRAUNFELS, TX 78130
TEL: (830) 327-1235



02/01/2023

CZP PLAN

426 MOUNTAIN TOP DRIVE
CZP
SPRING BRANCH, TX 78070

REVISIONS		DESCRIPTION	BY
REV.	DATE		

DRAWN BY: TNT
QA/QC BY: TNT
PROJECT NO.: ###-###
PERMIT #:



C0.0

SHEET

Contributing Zone Plan Application - Attachment P

Measures for Minimizing Surface Stream Contamination

NOT APPLICABLE

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: Trevor Tast, P.E.

Date: 2023-01-31

Signature of Customer/Agent:



Regulated Entity Name: 426 Mountain Top

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: Lower Blanco River

Temporary Best Management Practices (TBMPs)

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

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

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

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

Soil Stabilization Practices

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

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

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

Administrative Information

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

Temporary Stormwater Section - Attachment A

Spill Response Action

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

The contractor shall be aware that different materials pollute in different amounts. Make sure that each employee knows what a “significant spill” is for each material they use, and what is an appropriate response for “significant” and “insignificant” spills. Employees should also be aware of when spill must be reported to the TCEQ. Information available in 30 TAC 327.4 and 40 CFR 302.4. Have contractor’s superintendent or representative oversee and enforce proper spill prevention and control measures.

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

General:

- To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110, 117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately.
- Store hazardous materials and wastes in covered containers and protect from vandalism.
- Place a stockpile of spill cleanup materials where it shall be readily accessible.
- Train employees in spill prevention and cleanup.
- Designate responsible individuals to oversee and enforce control measures.
- Spills should be covered and protected from stormwater runoff during rainfall to the extent that it doesn’t compromise clean up activities.
- Do not bury or wash spills with water.
- 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 watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.
- Contain 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 equipment with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers, and liners should be repaired or replaced as needed to maintain proper function.

Cleanup:

- Spills shall be cleaned immediately.
- Use a rag for small spills on paved surfaces, a damp mop for general mop for general cleanup, and absorbent material for larger spills. All hazardous materials must be disposed of as hazardous waste.

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

Minor Spills:

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

Semi-Significant Spills:

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

Spills should be cleaned up immediately:

- Contain spread of the spill
- Notify the project foreman immediately.
- If the spill occurs on paved or impermeable surfaces, clean up using “dry” methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.
- If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil.
- If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills:

For significant or hazardous spills that are in reportable quantities:

- Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor’s responsibility to have all emergency phone numbers at the construction site.
- For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110, 119, and 302, the contractor should notify the National Response Center at (800) 424-8802.
- Notification should first be made by telephone and followed up with a written report.
- The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.
- Other agencies which may need to be consulted include, but are not limited to, the County Sheriff Office, Fire Departments, etc.

Temporary Stormwater Section - Attachment B

Potential Sources of Contamination

- **Source:** Construction Equipment and other Vehicle leaks: Oil, grease, fuel and hydraulic fluids
 - **Preventative measure:** Lubrication and fueling shall be performed in a designated area. This area shall be monitored daily for contamination.
- **Source:** Miscellaneous trash and litter from construction workers.
 - **Preventative measure:** Designated containers shall be located on site for trash disposal.
- **Source:** Construction debris.
 - **Preventative measure:** Debris shall be collected weekly and deposited in on site bins for offsite disposal. Situations requiring immediate attention shall be handled on a case by case basis.
- **Source:** Asphalt products.
 - **Preventative measure:** After placement of asphalt, emulsion or coatings, the contractor shall be responsible for immediate cleanup should an unexpected rain occur. For the duration of the asphalt product curing time, the contractor shall maintain standby personnel and equipment to maintain and asphalt wash-off should and unexpected rain occurs. The contractor shall be instructed not to place asphalt products on the ground within 48 hours of a forecasted rain.
- **Source:** Tar, fertilizers, cleaning solvents, detergents, and petroleum-based products.
 - **Preventative measure:** The contractor shall be responsible for immediate cleanup should an unexpected rain occur. Debris shall be collected weekly and deposited in on site bins for offsite disposal. Situations requiring immediate attention shall be handled on a case by case basis.

Temporary Stormwater Section - Attachment C

Sequence of Major Activities

1. Install erosion and sedimentation controls as indicated on the construction plan(s) and as directed by agencies having authority in the project area.
2. Construct, proposed development site work included but not limited to, pavement, and utilities.
3. Install landscaping, vegetated blankets, or hydro-mulch to exposed areas
4. Re-vegetate disturbed areas
5. Remove temporary erosion and sedimentation controls
6. Vertical construction.

Construction entrances for site shall be accessed from Mail Route Road.

Temporary Stormwater Section - Attachment D

Temporary Best Management Practices and Measures

All Temporary BMPs shall be installed prior to the beginning of site preparation and construction activities as per the Storm Water Pollution Prevention Plan. The TBMPs shall remain in place and shall be maintained until all construction has ceased and a perennial vegetative cover with a density of 70 percent has been established.

- a) Description of BMPs and measures to prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site: Stabilized Construction Entrance, Silt fences and rock berms shall be utilized for these purposes.
- b) Description of BMPs and measures to 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: Stabilized Construction Entrance, Silt fences and rock berms shall be utilized for these purposes.
- c) Surface stream and feature protection: A 50-foot radius natural buffer zone adjacent to and upgradient of any sensitive features shall remain undisturbed so that rainfall may continue to enter the feature. The natural vegetated areas shall ensure that pre-development stormwater quantity and quality shall continue to recharge the aquifer via the feature. Rock berms shall be placed downgradient of all construction activities so that potentially contaminated stormwater may be treated before leaving the sited and entering downstream surface water.
- d) Naturally occurring sensitive features protection: No construction shall occur within a 50-foot radius of naturally-occurring sensitive features. The vegetative buffer zone shall serve as both TMBP and BMP for the sensitive features. In the case that construction activities occur upgradient of a sensitive feature (greater than the 50-foot radius) the disturbed soils shall be protected from erosion by silt fences as outlined above.

Temporary Stormwater Section - Attachment E

Request to Temporarily Seal a Feature

NOT APPLICABLE

Temporary Stormwater Section - Attachment F

Structural Practices

The structural practices that shall limit runoff discharge of pollutants from exposed areas of the site shall be the use of a stabilized construction entrance, rock berms and silt fences to prevent the excavated material from leaving the site.

Temporary Stormwater Section - Attachment G

Drainage Area Map

Silt fences shall be used to limit pollutant discharges prior to becoming concentrated channel flow.

Rock berms shall be used to limit runoff discharge of pollutants from the site in channelized conditions.

Temporary Stormwater Section - Attachment H

Temporary Sediment Pond(s) Plans and Calculations

NOT APPLICABLE

Temporary Stormwater Section - Attachment I

Inspection and Maintenance for BMPs

The BMPs for the construction of this project shall be the use of rock berms and silt fencing. The following inspection and maintenance procedures shall be implemented:

1. Stabilized Construction Entrance/Exit, Silt fencing and rock berms must be in place prior to the start of construction and shall remain in place until construction has been complete and the site stabilized from further erosion.
2. The contractor shall inspect the rock berms and silt fencing at least once a week and within 24 hours of a storm of 0.5 inches or more in depth. The contractor shall repair or replace any damaged TBMPs. The contractor shall correct damage or deficiencies as soon as practical after the inspection but no later than 7 days after the inspection.
 - a. Rock Berms:
 1. Contractor shall remove sediment and other debris when buildup reaches 6 inches and dispose of the accumulated silt in an approval manner that shall not cause any additional siltation.
 2. The berm should be replaced when the structures ceases to function as intended due to silt accumulation among the rocks, washout, construction traffic damage, etc.
 3. Inspection should be made weekly and after each rainfall by the responsible party.
 4. For installations in streambeds, additional daily inspections should be made.
 5. Repair any loose wire sheathing
 6. The berm should be reshaped as needed during inspection
 7. The rock berm should be left in place until all upstream areas are stabilized and accumulated silt removed.
 - b. Temporary Construction Entrance/Exit:
 1. All sediment spilled, dropped, washed or tracked onto public right-of-way should be removed immediately by contractor.
 2. When necessary, wheels should be cleaned to remove sediment prior to entrance onto right-of-way.
 3. 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.
 4. The entrance should be maintained in a condition, which shall prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediments.
 5. All sediment should be prevented from entering any storm drain, ditch or water course by using approved methods.

c. For Silt Fence:

1. Remove sediment when buildup reaches 6 inches.
2. When construction is complete, the sediment should be disposed of in a manner that shall 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.
3. Inspect all fencing weekly and after any rainfall
4. Replace any torn fabric or install a second line of fencing parallel to the torn section
5. Replace or repair any sections crushed or collapsed in the course of construction activity. If a section of fence is obstructing vehicular access, consider relocating it to a spot where it shall provide equal protection, but shall not obstruct vehicles. A triangular filter dike may be preferable to a silt fence at common vehicle access points.

3. Contractor shall place trench excavation on the upgradient side of the trench.

4. All soil, sand, gravel, and excavated material stockpiled on-site shall have appropriately sized silt fencing placed upgradient and down gradient.

5. The contractor shall keep a record of the weekly inspections, noting the condition of the rock berms, silt fencing and construction entrance and any corrective action taken to maintain the erosion control structures. In addition to the inspection and maintenance reports, the operator should keep records of the construction activity on-site, in particular, the following information should be kept.

- a. The dates when major grading activities occur in a particular area.
- b. The dates when construction activities cease in an area, temporarily or permanently.
- c. The dates when an area is stabilized, temporarily or permanently.
- d. Records to be maintained in SWPPP.

Temporary Stormwater Section - Attachment J

Schedule of Interim and Permanent Soil Stabilization Practices

The schedule of interim and permanent soil stabilization shall be as follows:

1. Once construction of the project has commenced, the construction activity is planned to continue until the project is complete. The water, electrical, cable TV and telephone trenches shall be excavated. The trenches shall then be re-excavated and the water, electrical, cable TV and telephone lines shall be installed. This work is intended to continue until all the lines are installed. The utility lines are located within the project boundaries as shown on the site plan. As soon as the underground utilities are installed, the road base shall be installed and compacted providing the interim soil stabilization for the paved area and the permanent soil stabilization for the parking areas. Once the individual residential buildings are built and landscaped this shall provide permanent soil stabilization for the building areas.
2. Much of the excavation for this project shall be in solid rock, helping to minimize the amount of loose soil which has the potential to become suspended in runoff and washed downstream.
3. 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 temporary or permanently ceased. Where the initiation of stabilization measures by the 14th day after construction activity temporary or permanently cease is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities shall be resumed within 21 days, temporary stabilization measures do not have to be initiated on that portion of site. In areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonal arid conditions, stabilization measures shall be initiated as soon as practicable.

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

I _____ Adam Smith _____,
Print Name
Owner _____,
Title - Owner/President/Other
of _____ ACSBLDR INC _____,
Corporation/Partnership/Entity Name
have authorized _____ Trevor Tast, P.E. _____
Print Name of Agent/Engineer
of _____ TX2 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:

[Signature]
Applicant's Signature

4-18-23
Date

THE STATE OF Texas §

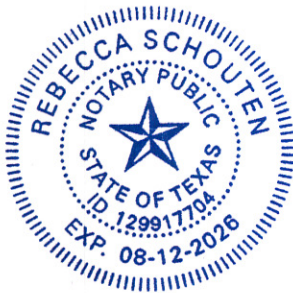
County of Bexar §

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

GIVEN under my hand and seal of office on this 18 day of April, 2023

[Signature]
NOTARY PUBLIC

Rebecca Schouten
Typed or Printed Name of Notary



MY COMMISSION EXPIRES: 8/12/2026

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: 426 Mountain Top

Regulated Entity Location: 426 MOUNTAIN TOP DRIVE Spring Branch, Texas 78070

Name of Customer: ACSB LDR INC

Contact Person: Adam Smith

Phone: 210-663-2326

Customer Reference Number (if issued): CN _____

Regulated Entity Reference Number (if issued): RN _____

Austin Regional Office (3373)

☐ Hays

☐ Travis

☐ Williamson

San Antonio Regional Office (3362)

☐ Bexar

☐ Medina

☐ Uvalde

☒ Comal

☐ Kinney

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

☐ Austin Regional Office

☒ San Antonio Regional Office

☐ Mailed to: TCEQ - Cashier

☐ Overnight Delivery to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(512)239-0357

Site Location (Check All That Apply):

☐ Recharge Zone

☒ Contributing Zone

☐ Transition Zone

Type of Plan	Size	Fee Due
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	5.1 Acres	\$ 3,000
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

Signature: 

Date: 2023-08-22

Application Fee Schedule

Texas Commission on Environmental Quality

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

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

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

Organized Sewage Collection Systems and Modifications

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

Underground and Aboveground Storage Tank System Facility Plans and Modifications

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

Exception Requests

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

Extension of Time Requests

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



TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 6055699		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
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:	
ACSBLDR INC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0801701509	32049731527		
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	8235 AGORA PARKWAY		
	SUITE 111-576		
	City	SELMA	State TX ZIP 78154 ZIP + 4 1335
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		C21ACS@YAHOO.COM	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(210) 663-2326		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
426 Mountain Top	

23. Street Address of the Regulated Entity: (No PO Boxes)	426 MOUNTAIN TOP DRIVE						
	City	SPRING BRANCH	State	TX	ZIP	78070	ZIP + 4
24. County	COMAL						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	N/A							
26. Nearest City	BULVERDE				State	TX	Nearest ZIP Code	78070
27. Latitude (N) In Decimal:	29.80842		28. Longitude (W) In Decimal:	98.37535				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29	48	30.31	98	22	31.26			
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)			
6514			531110					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
MULTI-FAMILY RENTAL (SINGLE-FAMILY UNITS)								
34. Mailing Address:	8235 AGORA PARKWAY							
	SUITE 111-576							
	City	SELMA	State	TX	ZIP	78154	ZIP + 4	1335
35. E-Mail Address:								
36. Telephone Number		37. Extension or Code			38. Fax Number (if applicable)			
(210) 663-2326					() -			

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

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

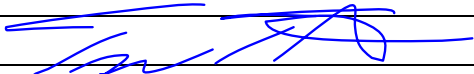
SECTION IV: Preparer Information

40. Name:	ADAM SMITH		41. Title:	PRESIDENT
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(210) 663-2326		() -	C21ACS@YAHOO.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:	ACSB LDR INC	Job Title:	PRESIDENT
Name (In Print):	ADAM SMITH	Phone:	(210) 663- 2326

Signature:		Date:	2023-08-21
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